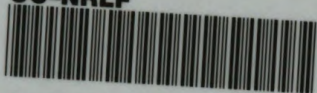


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WAR DEPARTMENT TECHNICAL MANUAL

(156)  
GASOLINE STOVES  
AND BURNERS

WAR DEPARTMENT

28 JULY 1944

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*WAR DEPARTMENT TECHNICAL MANUAL*  
*TM 8-615*

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# **GASOLINE STOVES AND BURNERS**

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*WAR DEPARTMENT*

*28 JULY 1944*

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WAR DEPARTMENT,

WASHINGTON 25, D. C., 28 JULY 1944.

TM 8-615, Gasoline Stoves and Burners, is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,  
*Chief of Staff.*

OFFICIAL:

J. A. ULIO,  
*Major General,  
The Adjutant General.*

DISTRIBUTION:

As prescribed in paragraph 9a, FM 21-6 except ROTC (0);  
IR 1(2); IC & H 8(2); Med Dep (2); Med Tech Schools (2).

ID 8: T/O 8-540, Hosp Ctr, Convalescent Camp; 8-550.

IB 8: T/O 8-500, Truck Lab, Dental; 8-500, Truck Lab, Surgical  
Opn; 8-650; 8-611; 8-610.

IR 1: T/O 1-852.

IR 8: T/O 8-510; 8-560; 8-572S; 8-580; 8-581; 8-590; 8-750;  
8-760; 8-780; 8-790.

IBn 8: T/O 8-15; 8-75; 8-85; 8-125; 8-195S.

IC 8: T/O 8-187; 8-99; 8-661; 8-500, Infirmary Equip, 10 Bed;  
T/D 8-1017; 8-1027.

For explanation of symbols, see FM 21-6.



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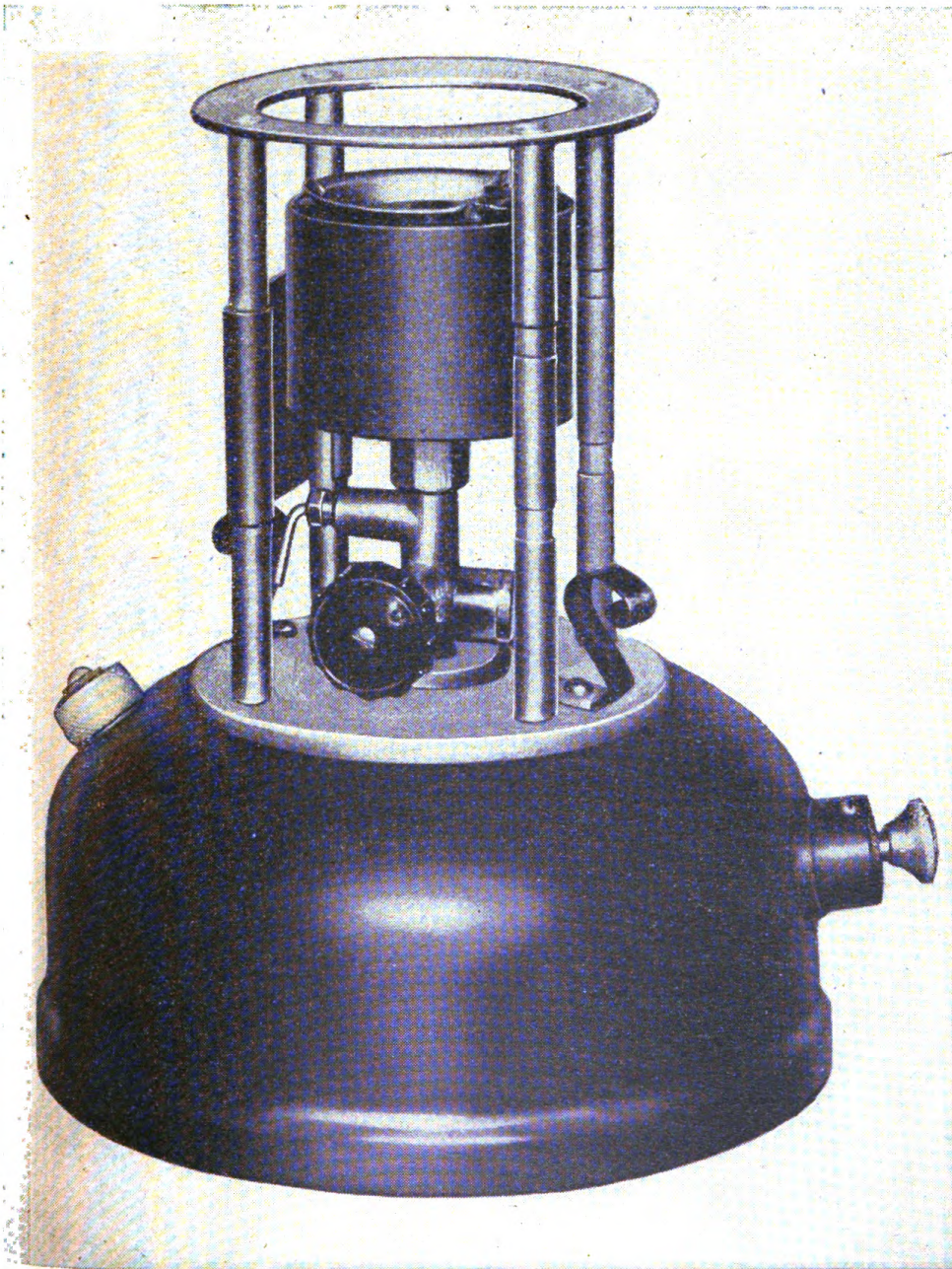
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## SECTION I GENERAL

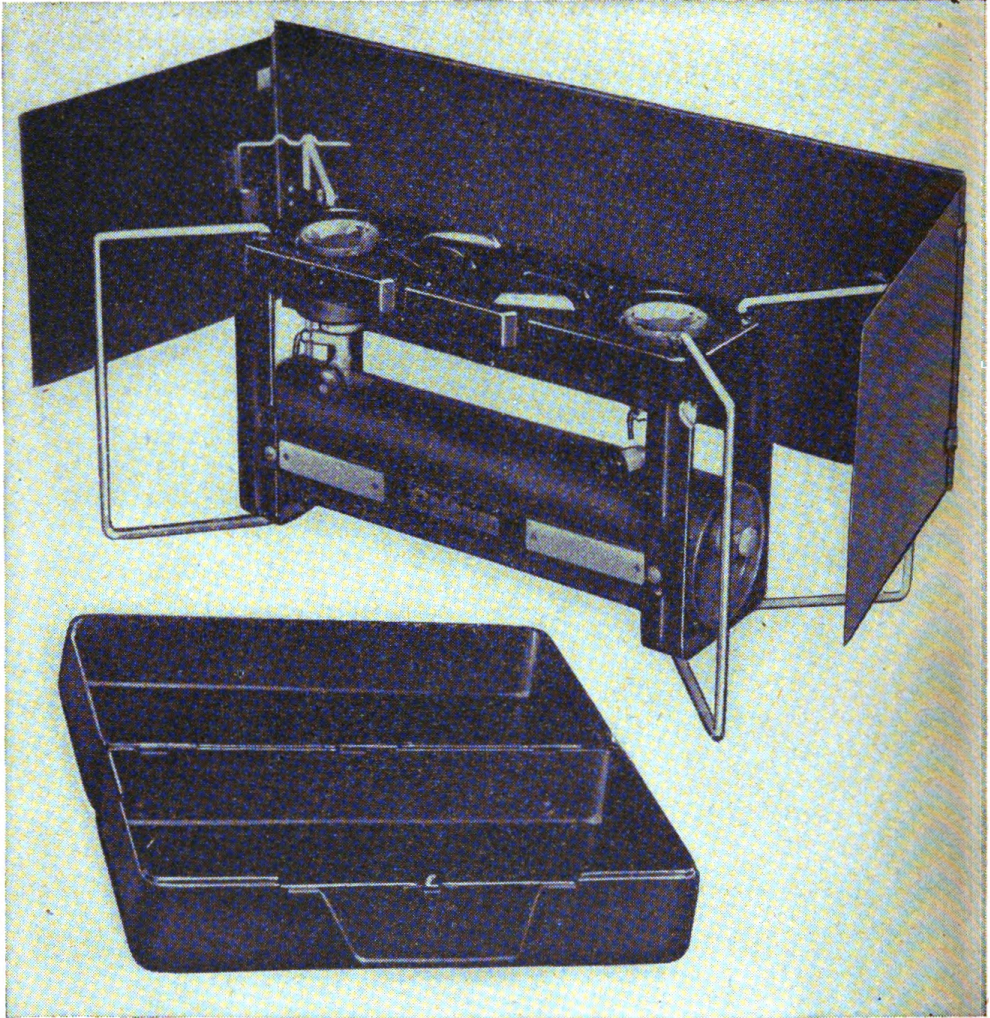
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**1. PURPOSE.** This manual is published for the information and guidance of all personnel charged with the operation and maintenance of gasoline stoves and burners (figs. 1 to 8, incl.) in the field.



*Figure 1. Item No. 99550—Stove, one burner, gasoline.*





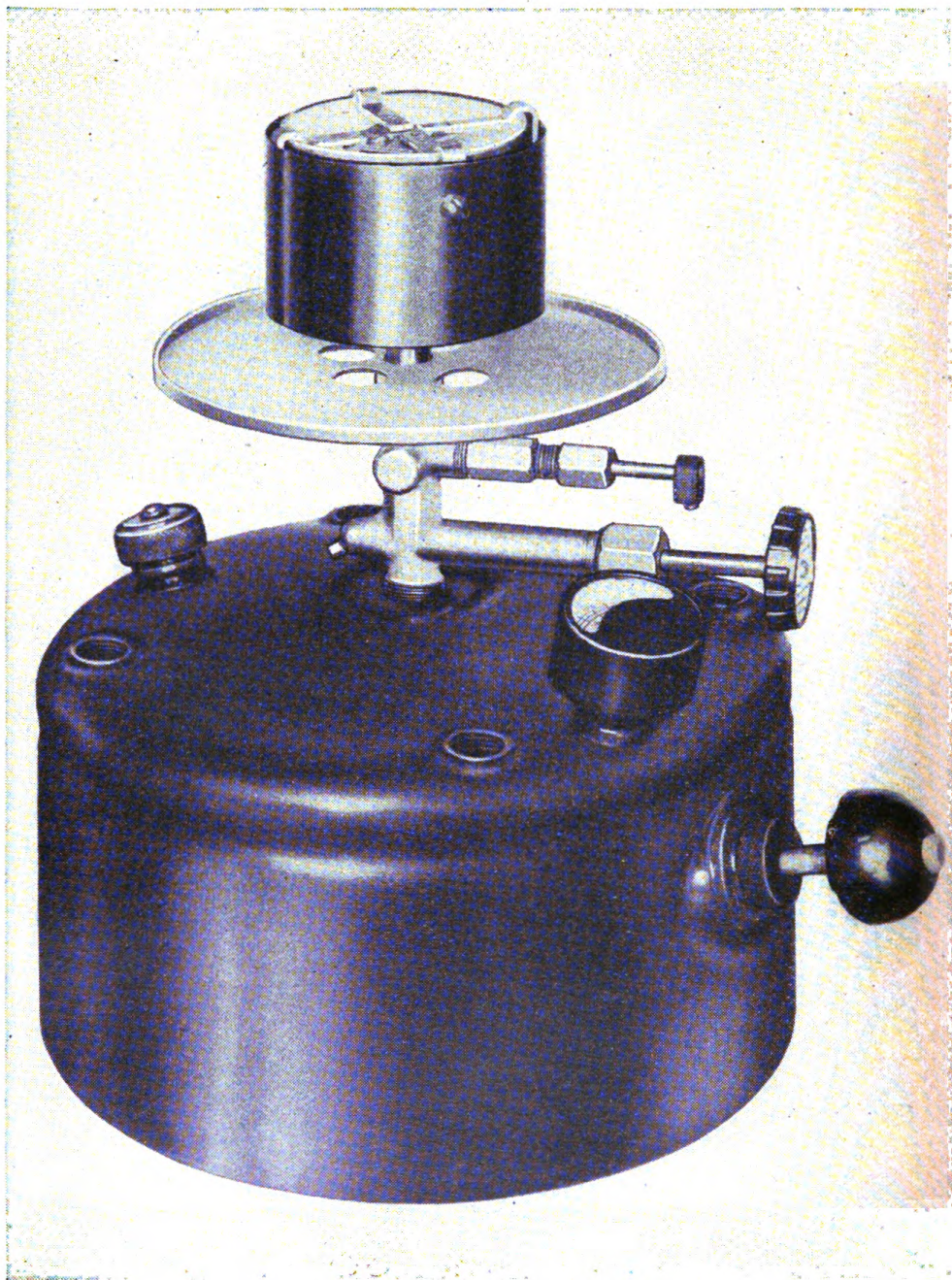
*Figure 2. Item No. 99555—Stove, two burner, gasoline.*





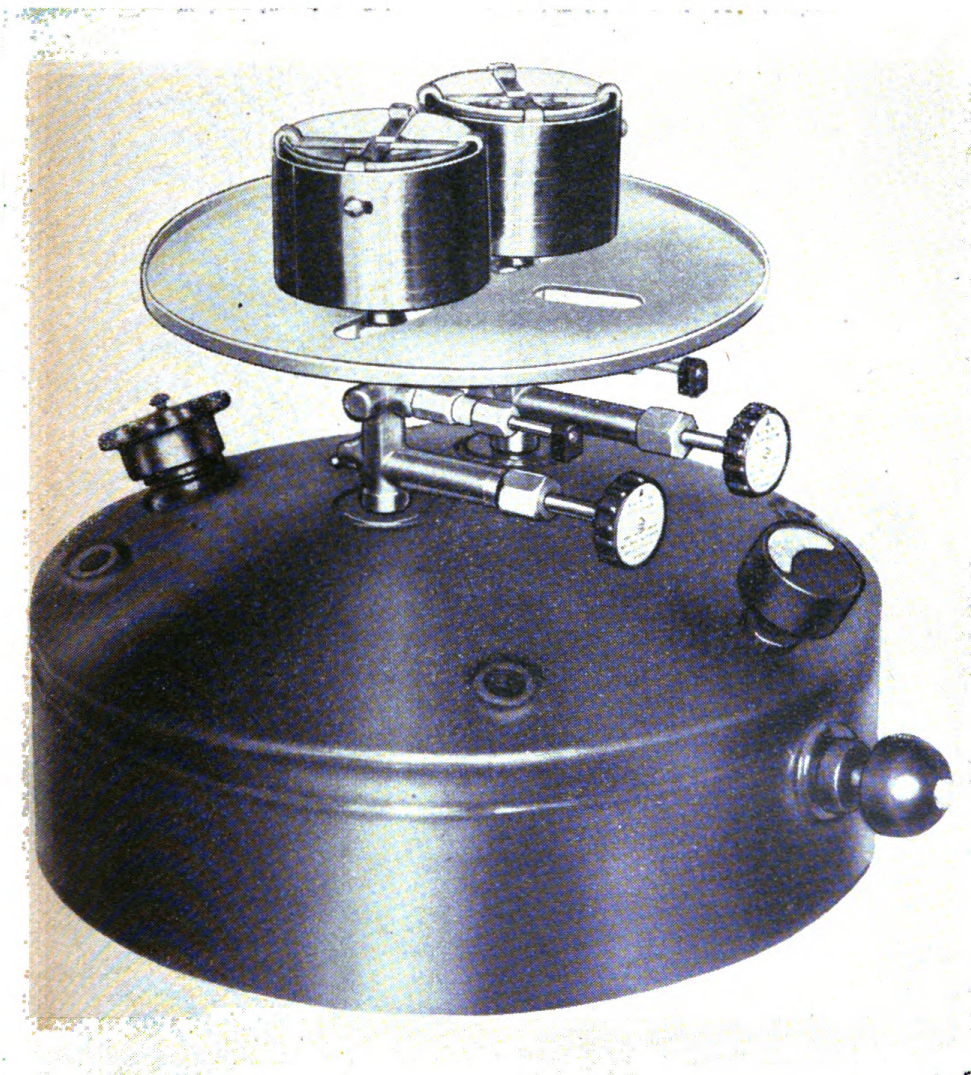
*Figure 3. Item No. 9R10000—Burner, one 5,000 B.t.u. head, gasoline.*





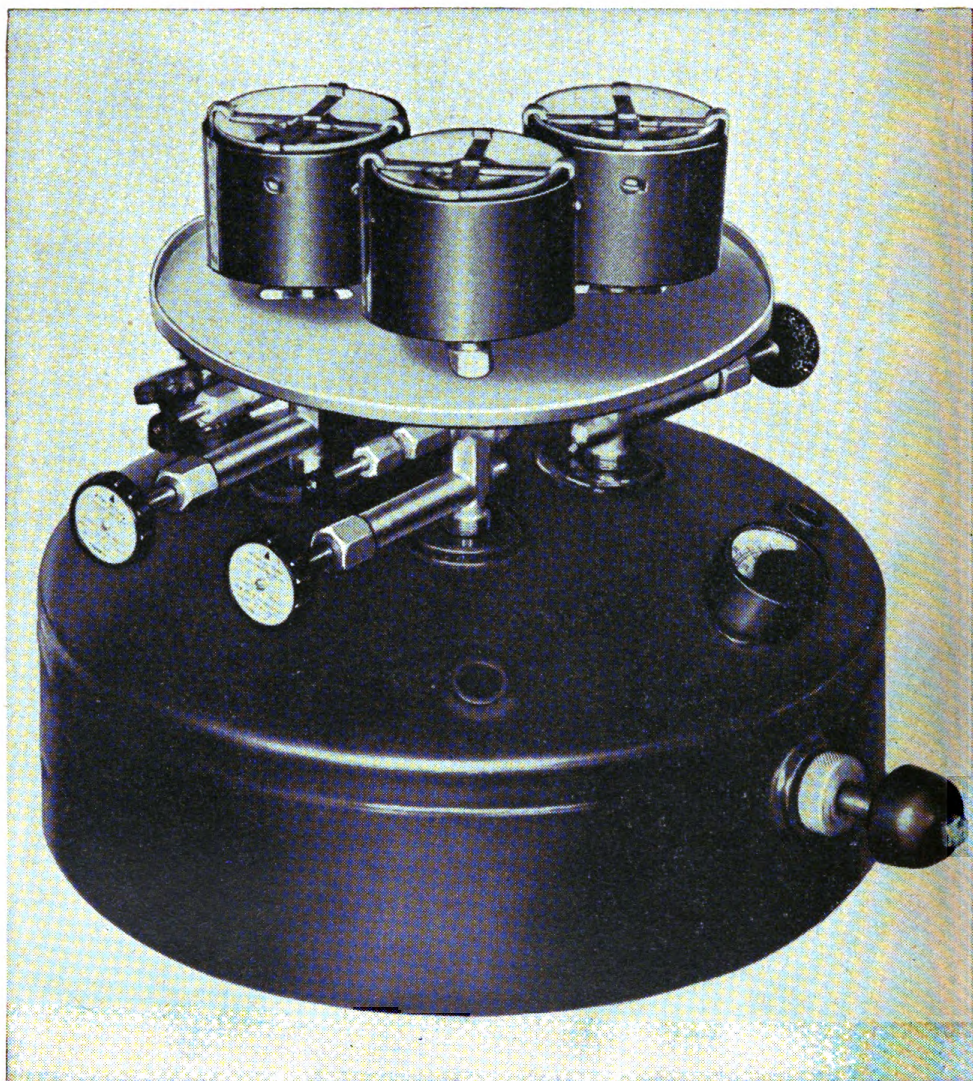
*Figure 4. Item No. 9R10001—Burner, one 10,000 B.t.u. head, gasoline.*





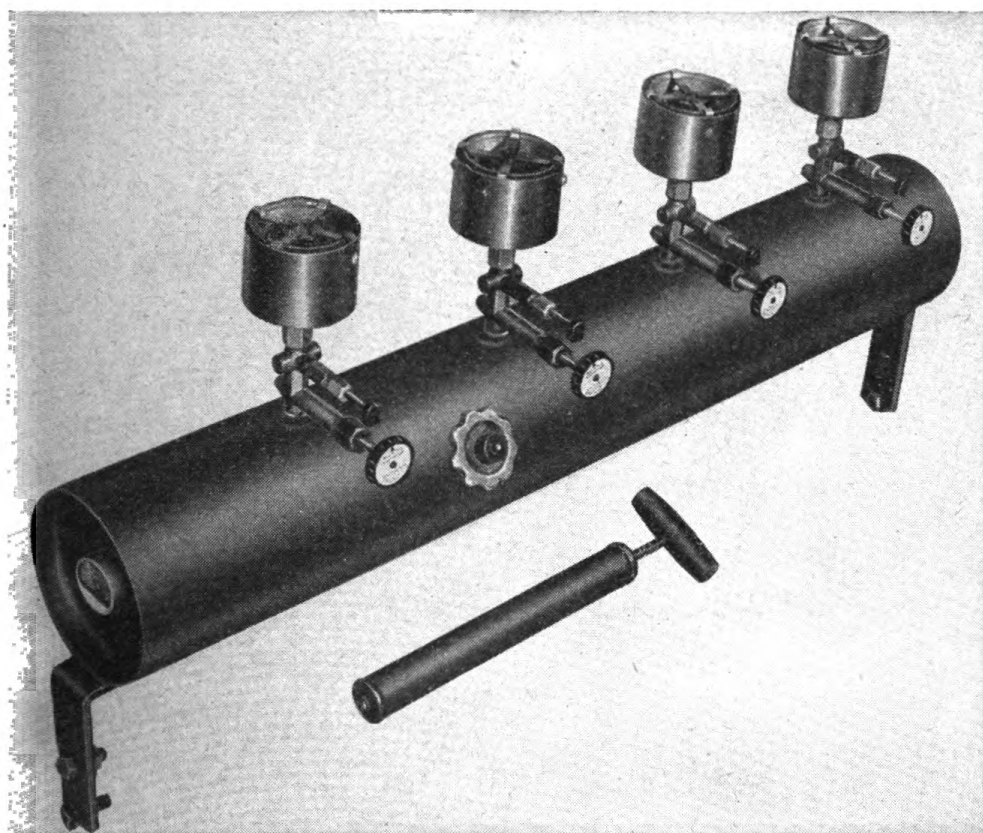
*Figure 5. Item No. 9R10002—Burner, two 10,000 B.t.u. heads, gasoline.*



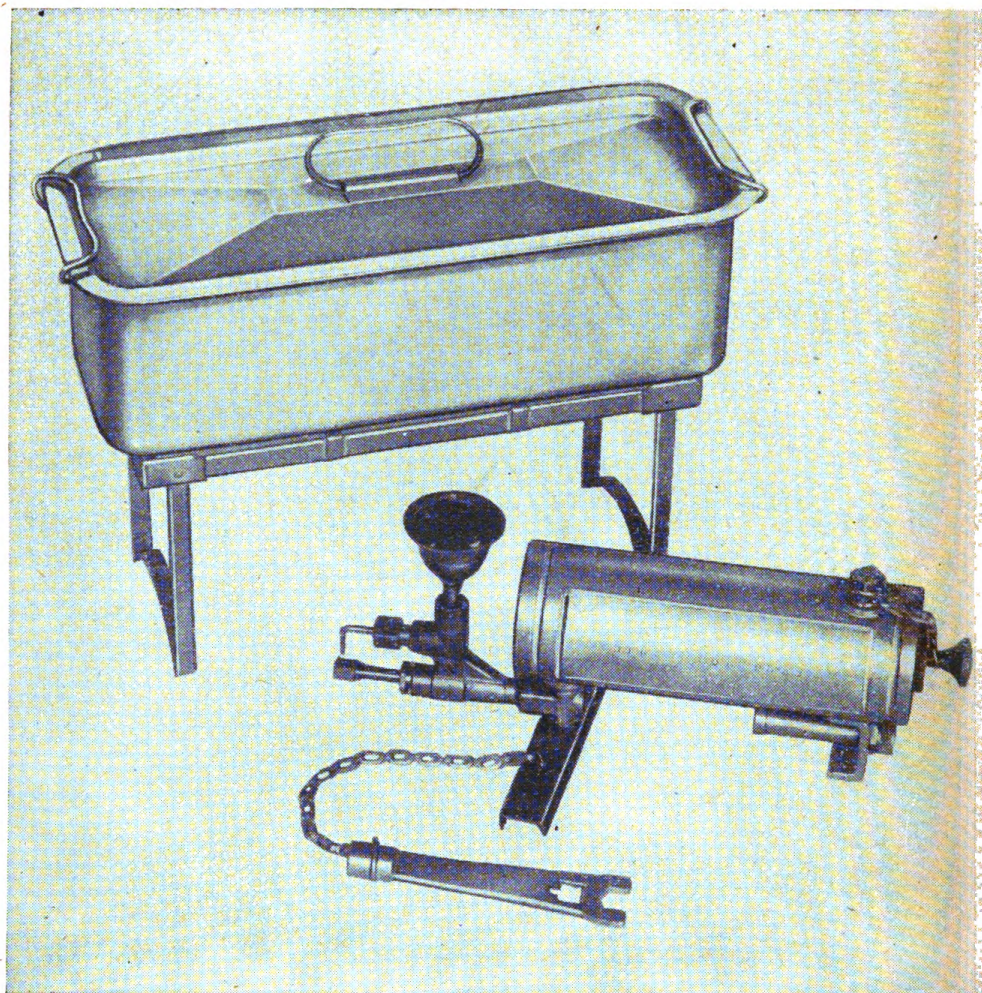


*Figure 6. Item No. 9R10003—Burner, three 10,000 B.t.u. heads, gasoline.*





*Figure 7. Item No. 9R10004—Burner, four 10,000 B.t.u. heads, gasoline.*



*Figure 8. Item No. 9R10005—Burner, one 2,500 B.t.u. head, gasoline.*



**2. SCOPE. a.** This manual applies to Medical Department items Nos. 99550, Stove, One Burner, Gasoline; 99555, Stove, Two Burner, Gasoline; 9R10000, Burner, One 5,000 B.t.u. Head, Gasoline; 9R10001, Burner, One 10,000 B.t.u. Head, Gasoline; 9R10002, Burner, Two 10,000 B.t.u. Heads, Gasoline; 9R10003, Burner, Three 10,000 B.t.u. Heads, Gasoline; 9R10004, Burner, Four 10,000 B.t.u. Heads, Gasoline; and 9R10005, Burner, One 2,500 B.t.u. Head, Gasoline. Complete instructions are presented for operating and maintaining the stoves and burners. A Standard Nomenclature List (app. I), and a list of individual stoves and burners, assemblies, and component parts (app. II) are provided. Illustrations show the individual stoves and burners, assemblies, and component parts described in the text.

**b.** The manufacturer's numbers and the corresponding Medical Department numbers for burners and stoves (a above) are as follows:

Medical Dept. No.	Description	Manufacturer's No.
99550	STOVE, ONE BURNER, GASOLINE.....	521
99555	STOVE, TWO BURNER, GASOLINE.....	523
9R10000	BURNER, ONE 5,000 B.T.U. HEAD, GASOLINE.....	526
9R10001	BURNER, ONE 10,000 B.T.U. HEAD, GASOLINE.....	522
9R10002	BURNER, TWO 10,000 B.T.U. HEAD, GASOLINE.....	525
9R10003	BURNER, THREE 10,000 B.T.U. HEAD, GASOLINE.....	524-497
9R10004	BURNER, FOUR 10,000 B.T.U. HEAD, GASOLINE.....	522-375S
9R10005	BURNER, ONE 2,500 B.T.U. HEAD, GASOLINE.....	527

**3. DESCRIPTION. a.** The eight gasoline stoves and burners described in this manual are used as sources of heat in various pieces of Medical Department equipment, including several sterilizers, autoclaves, and incubators, and a distilling apparatus. In principle of operation, all the stoves and burners are identical; they vary as to capacity and shape of fuel tank, dimensions of certain parts, and number of burner heads. Stoves differ from burners in that the stoves are supplied with the following:

(1) A supporting frame above the burner head or heads (figs. 1 and 2) to hold vessels and other equipment to be heated.

(2) A carrying case or cover (fig. 2).

b. The stoves and burners, as issued, are completely assembled and ready for operation. Instructions for unpacking and assembling and for disassembling and packing are therefore unnecessary.

**4. MANUFACTURER.** With the exception of the pump and fuel tank only of Item No. 9R10004, Burner, Four 10,000 B.t.u. Heads (fig. 7), all the stoves and burners described in this manual are manufactured in their entirety by the Coleman Lamp and Stove Company, Wichita, Kansas. The pump and fuel tank of Item No. 9R10004 are manufactured by the supplier of the Medical Department items with which Item No. 9R10004 is used (Item No. 99500, Sterilizer Dressing and Utensil, Horizontal).



## SECTION II

### OPERATING INSTRUCTIONS

---

**5. SIMILARITY OF OPERATION.** All eight stoves and burners operate on the same principle. The burner heads of those models equipped with multiple heads may be operated independently; for example, Burner 9R10004 (fig. 7), with four burner heads, may be used with either one, two, three, or four burner heads in operation.

**6. TYPES OF FUEL THAT CAN BE USED.** The stoves and burners will operate with best results if the fuel used is a clean unleaded gasoline. However, if such gasoline is not available, the stoves and burners will perform satisfactorily on other types of gasoline, ranging from aviation gasoline to regular motor gasoline, even though such gasolines are leaded. If the use of a fuel other than a clean unleaded gasoline is necessary, the vaporizer of the burner will require more frequent servicing than when a clean unleaded gasoline is used. Any fuel used, regardless of its type, should be clean.

**7. TO FILL FUEL TANK.** **a.** Before filling the fuel tank of a stove or burner see that the fuel control valve (figs. 9 and 10) is closed and that the stove or burner is placed in a level position.

**b.** Unscrew and remove the filler tube plug (fig. 9), which is hand operated—a wrench should not be used to tighten or loosen this plug.

**c.** Fill the fuel tank by pouring fuel into the open filler tube (fig. 9). The fuel will begin to rise in the tube as soon as the tank has been filled to the proper level. The filler tube extends into the tank and prevents overfilling. When the liquid fuel reaches the bottom of the tube, air in the tank cannot escape and, consequently, the fuel begins to rise in the tube, indicating that the fuel tank is filled to the proper level. This feature of the stoves and burners assures adequate space for the air needed to generate the instant light mixture required to light them. (See sec. III.)

**d.** When the tank is filled, replace and firmly tighten (by hand) the filler tube plug. Before replacing the plug, examine it carefully and remove any foreign matter that may be adhering to it.

**8. TO PUMP AIR PRESSURE.** **a.** Air pressure necessary for operation of the stove or burner is provided by means of a pump (fig. 9), which extends out from the fuel tank. To operate the pump, proceed as follows:

**b.** Unlock the handle of the pump by turning the handle two full turns to the left (counterclockwise).

**c.** Hold thumb or palm of hand over venthole in the end of pump handle, and pump air into the tank until the air pressure gauge (fig. 9) registers 30 pounds pressure. In the instance of those stoves and burners not equipped with an air-pressure gauge 25 to 30 full strokes of the pump will provide the proper air pressure. When proper air pressure

has been obtained, lock the pump handle by turning it to the right (clockwise) as far as possible.

**9. TO LIGHT STOVE OR BURNER.** a. First clean the gas top of the vaporizer (figs. 9 and 12) by revolving the eccentric stem handle (figs. 9 and 12) several times. The handle must be in the down position when the stove or burner is lighted.

b. Open the fuel control valve (figs. 9 and 10) a quarter turn to the left (counterclockwise). After a few seconds, apply a lighted match at the top of burner head (figs. 9 and 13).

c. Five or six minutes are required after the burner has been lighted for the vaporizer (figs. 9 and 12) to become sufficiently heated to cause complete generation of the fuel. The flame may flash yellow occasionally during this period or even blow itself out. If the latter occurs, relight the burner and, as vaporizer becomes heated, the flame will gradually settle down to a steady blue. During the first 2 or 3 minutes of operation maintain the air pressure at approximately 25 pounds by a few additional strokes of the pump. The pressure should then be allowed to drop to between 15 and 20 pounds, which is normal operating pressure. Proper air pressure can be maintained for models not equipped with pressure gauges through observation of the appearance and character of the flame. (As pressure becomes too low, the flame will tend to die down and to assume a yellow rather than a blue color.) It may be necessary to operate a stove or burner several times to determine accurately the number of strokes of the pump required to maintain proper air pressure.

d. When complete generation of the fuel has been obtained, open the fuel control valve as far as possible. The flame will be noticeably larger immediately after opening the valve wide than it will be 10 or 15 minutes later. This is a normal flame change, due to the gradual warming-up of the metal below the vaporizer, and is not an indication of a diminished output of heat.

e. If the stove or burner is equipped with more than one burner head, each burner head should be operated according to the foregoing instructions. However, it is not necessary to permit each burner head to develop complete generation before lighting the next. As soon as the first burner head is lighted, the remaining burner heads may also be placed in operation.

**10. ADJUSTMENT OF FLAME.** The size of the flame cannot be controlled by the fuel control valve (figs. 9 and 10). If the flame is too high, it may be adjusted by turning the eccentric stem handle (figs. 9 and 12) up slightly; this procedure will move the cleaner needle into the gas tip, reducing the flow of gas to the burner head. A higher flame can be obtained by increasing the air pressure through a few strokes of the pump.

**11. TO EXTINGUISH STOVE OR BURNER.** To extinguish a stove or burner, turn the fuel control valve (figs. 9 and 10) to the right (clockwise) as far as possible.

**12. PRECAUTION.** Since all the stoves and burners are open-flame type equipment, they should never be operated in a confined space without proper ventilation, especially when leaded gasoline is used as a fuel.



- |                                   |                                 |
|-----------------------------------|---------------------------------|
| 1. 9R10084 Gasket, plug.          | 18. 9R10124 Nut, pack.          |
| 2. 9R10072 Disc, plug.            | 19. 9R10200 Stem, valve.        |
| 3. 9R10042 Cap, plug.             | 20. 9R10136 Packing, stem.      |
| 4. 9R10100 Housing, valve.        | 21. 9R10088 Gauge, pressure.    |
| 5. 9R10028 Block, eccentric.      | 22. 9R10170 Rod, fuel control.  |
| 6. 9R10120 Nut, jamb.             | 23. 9R10046 Cap, plunger.       |
| 7. 9R10112 Needle rod, vaporizer. | 24. 9R10090 Handle, plunger.    |
| 8. 9R10184 Screen, filler.        | 25. 9R10158 Plunger, air pump.  |
| 9. 9R10234 Tube, vaporizer.       | 26. 9R10208 Tank, fuel.         |
| 10. 9R10222 Tip, gas.             | 27. 9R10064 Coupling, tube.     |
| 11. 9R10020 Baffle, wind          | 28. 9R10228 Tube, fuel and air. |
| 12. 9R10094 Head.                 | 29. 9R10012 Air stem.           |
| 13. 9R10062 Coupling, stem.       | 30. 9R10188 Spring, plunger.    |
| 14. 9R10122 Nut, pack.            | 31. 9R10164 Plunger leather.    |
| 15. 9R10196 Stem, eccentric.      | 32. 9R10130 Nut, plunger.       |
| 16. 9R10092 Handle, stem.         | 33. 9R10238 Valve, check.       |
| 17. 9R10034 Bushing, stem, valve. | 34. .... Filler Tube.           |

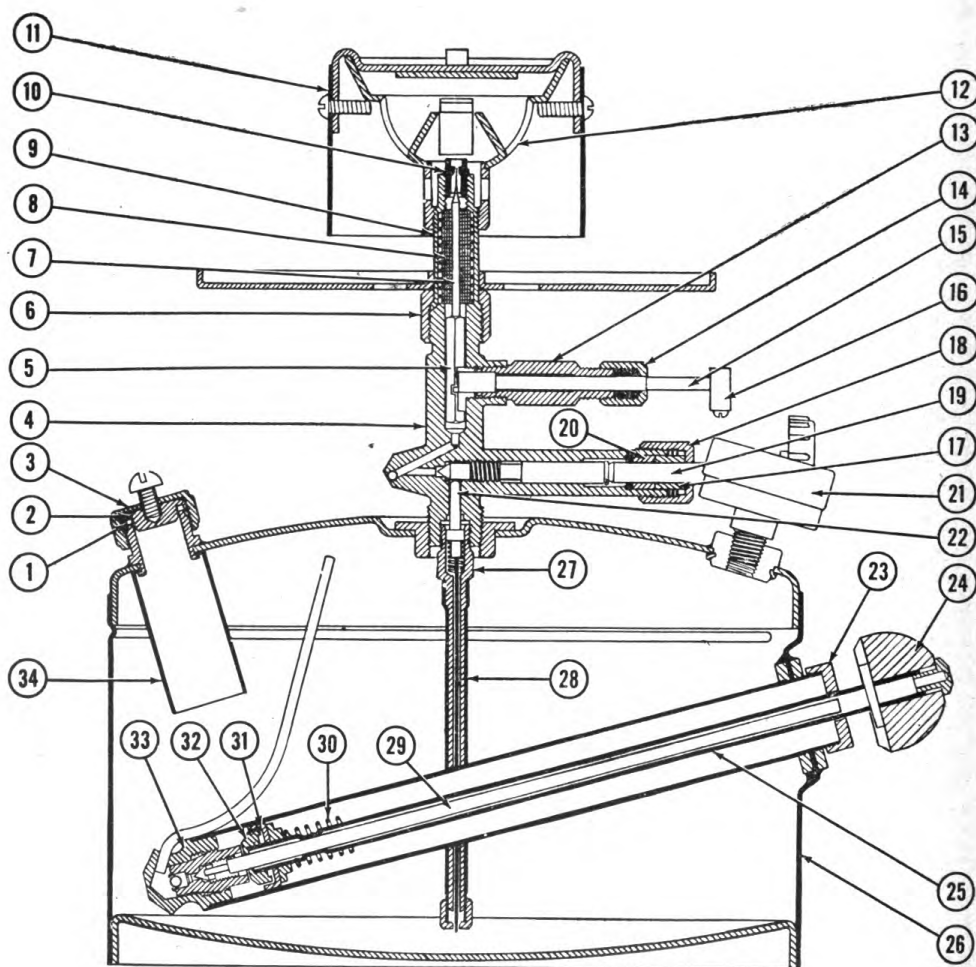


Figure 9. Cross-section of burner, one 10,000 B.t.u. head—Item No. 9R10001.

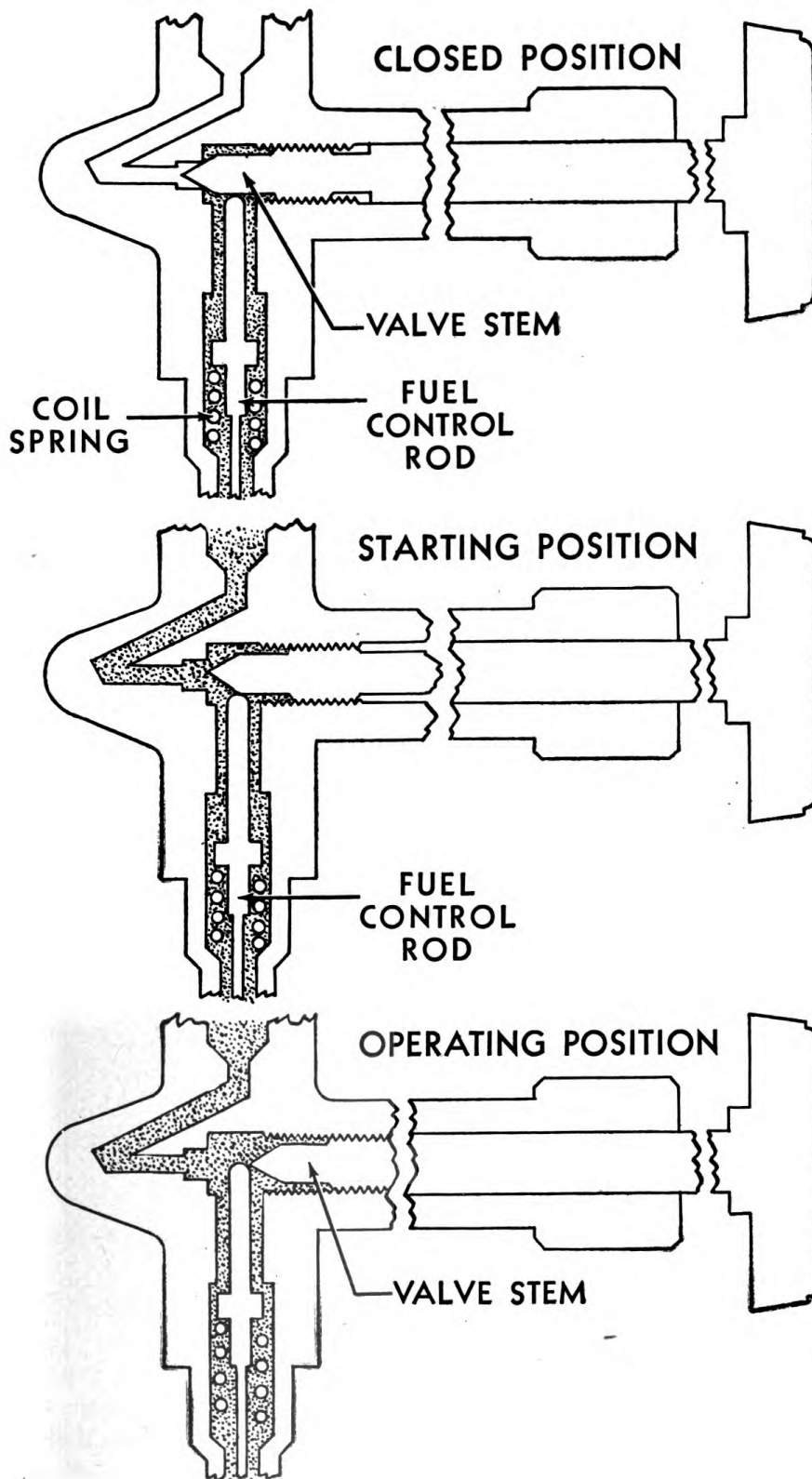


Figure 10. Cross-section of fuel control valve.



### SECTION III

## PRINCIPLE OF OPERATION

13. HOW THE STOVE OR BURNER OPERATES. a. In the starting position (fig. 10), when the fuel control valve is open a quarter turn,

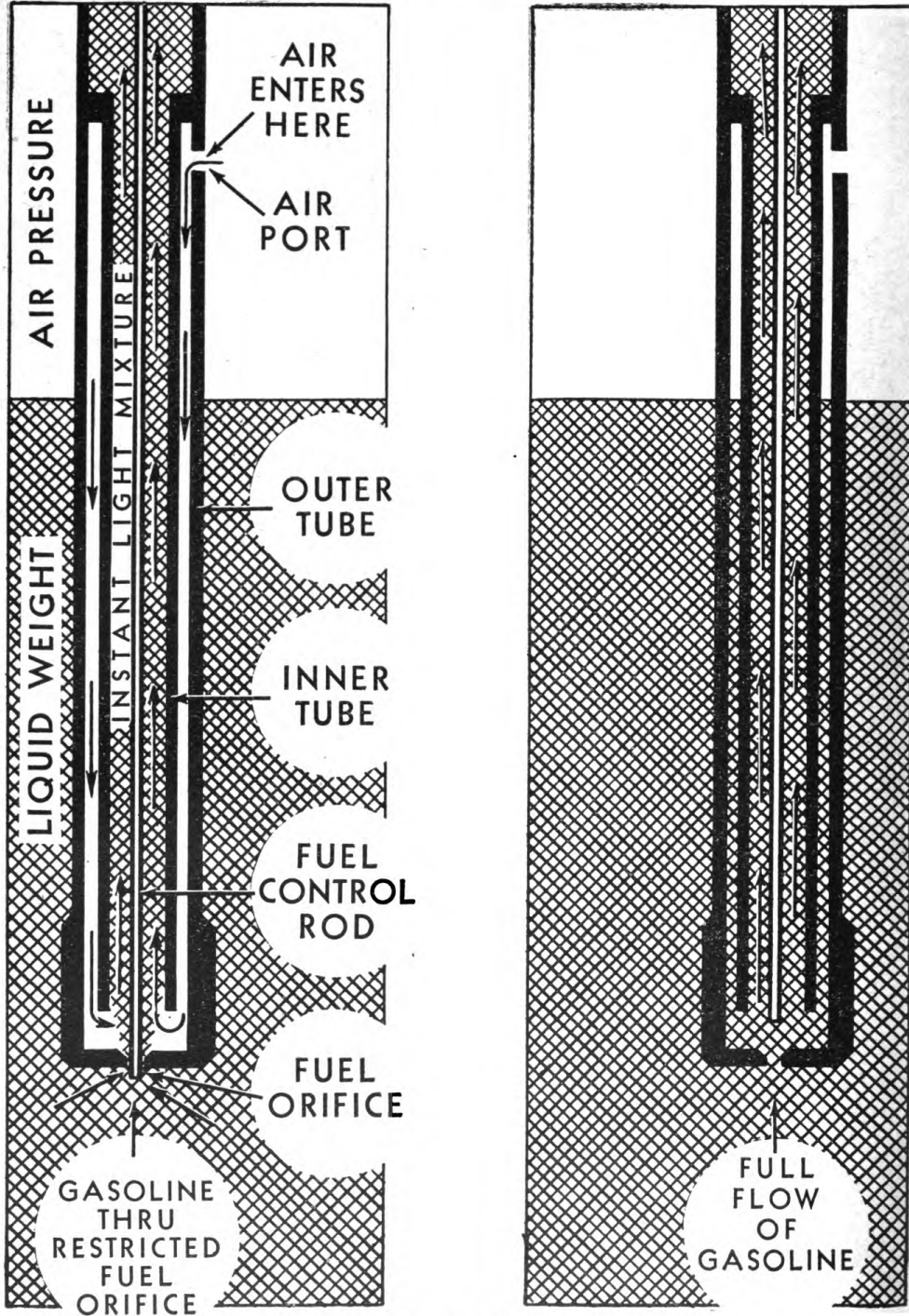


Figure 11. Cross-section of fuel and air tube.



the fuel control rod (fig. 11) restricts but does not entirely close the fuel orifice (fig. 11). Opening the fuel control valve a quarter turn permits the air in the tank above the fuel to enter the air port (fig. 11). The air travels down between the outer and inner tubes of the fuel and air tube. Owing to the weight of the liquid fuel, a restricted amount of fuel enters the fuel orifice, and is picked up by the air at the bottom of the outer tube. The air and fuel form an atomized instant light mixture which rises in the inner tube. Because air is withdrawn from the tank above the liquid fuel to form the instant light mixture, the pressure will drop faster during this period than during subsequent normal operation when the fuel control valve is open as far as possible.

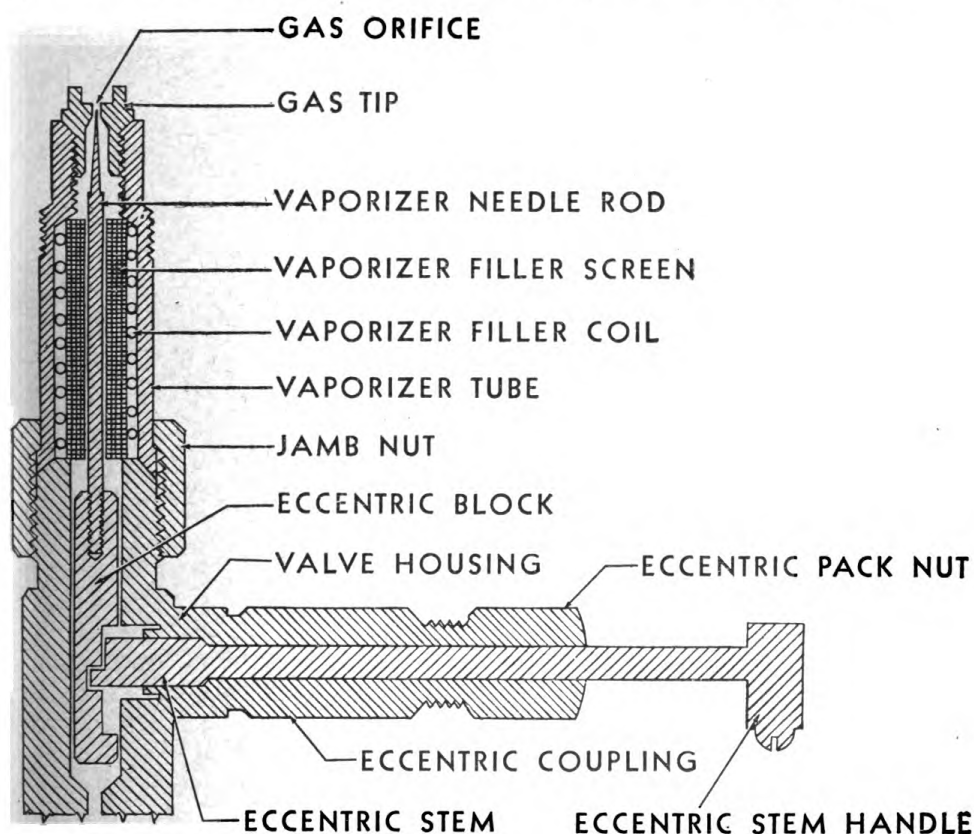
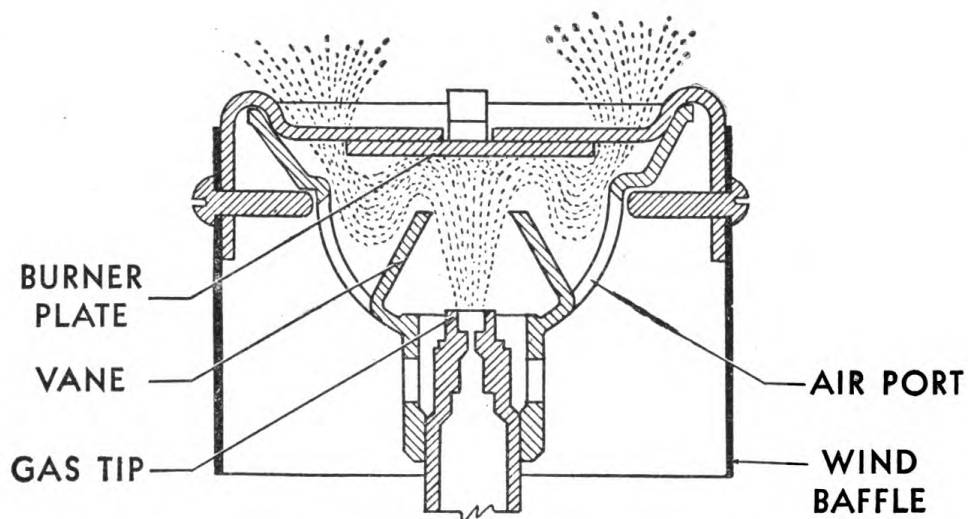


Figure 12. Cross-section of vaporizer and eccentric.

b. After the burner or stove has reached complete generation, which is within the first 5 or 6 minutes, the fuel control valve may be opened as far as possible. This permits the withdrawal of the fuel control rod from the fuel orifice (fig. 11), allowing a full flow of fuel. As the size of the fuel orifice is greater than that of the gas orifice in the vaporizer (fig. 12), the fuel is forced into the space between the outer and inner tubes, stopping the flow of air from above the liquid fuel in the tank, and causing the fuel to be fed direct to the vaporizer.

c. The function of the vaporizer (figs. 9 and 12) is to partly vaporize the fuel by heat conducted from the burner head when the stove or burner is in operation. After leaving the vaporizer, the partly vaporized

stream of fuel strikes the burner plate (figs. 9 and 13) and mixes with the air drawn through the air ports past the vanes (fig. 13), to form a completely vaporized fuel that can be lighted at the top of the stove or burner.



*Figure 13. Cross-section of head of burner.*

## SECTION IV

# MAINTENANCE AND SPARE PARTS

---

**14. MAINTENANCE.** The stoves and burners require careful handling and periodic inspection to obtain the most dependable and efficient service from them. The following precautions and procedures are important in their proper maintenance:

**a. Vaporizer.** (1) If a stove or burner will not light, the air pressure may be insufficient or the vaporizer (fig. 12) may be clogged. If the stove or burner will not light after 30 or 35 strokes on the air pump, replace the vaporizer, employing the following procedure:

(a) Loosen and remove the burner head assembly (figs. 9, 13, 14, and 15).

(b) Loosen and remove the jamb nut (figs. 9, 12, 14, and 15).

(c) Lift off the vaporizer tube, filler coil, and filler screen (fig. 12).

(d) Loosen and unscrew the needle rod (figs. 9, 12, 14, and 15) from the eccentric block (figs. 9, 12, 14, and 15).

(e) Screw a needle rod into the eccentric block. Tighten the rod gently, being careful not to damage the needle itself.

(f) Place a new filler coil and filler screen over the needle rod.

(g) Place the vaporizer tube over the filler coil.

(h) Replace and firmly tighten the jamb nut.

(i) Replace and firmly tighten the burner head assembly.

(2) If a new vaporizer is not available, additional service may be obtained from the stove or burner by cleaning the vaporizer filler screen, employing the following procedure:

(a) Push the filler screen out of the filler coil with a match, pencil or similar object.

(b) Unroll and wash the screen in gasoline, being careful not to damage the wire or alter the size of the mesh.

(c) Reroll the screen tightly on a rod which should be the same size as or slightly smaller than the needle rod, and insert rolled screen and rod in the coil.

(d) Withdraw the rod on which screen is rolled.

(e) Reassemble and replace the vaporizer.

**b. Gas orifice.** Rotate the eccentric stem handle (figs. 9 and 12) frequently while the stove or burner is in operation, to remove any carbon or gum deposit that may accumulate on the gas tip orifice (figs. 9 and 12). The eccentric stem handle may be rotated while the burner or stove is in operation because the size of the gas tip orifice is larger than the diameter of the needle itself; the flow of fuel is therefore not completely shut off when the eccentric stem handle is rotated.

**c. Needle rod.** Do not attempt to straighten a damaged needle rod (figs. 9, 12, 14, and 15); in such instances always replace the damaged rod with a new rod. A damaged needle rod may enlarge the orifice of the gas tip (figs. 9 and 12), permitting more fuel to enter the burner



1. 9R10102 Housing, valve.
2. 9R10134 Nut, rod lock.
3. 9R10110 Needle rod, vaporizer.
4. 9R10182 Screen, filler.
5. 9R10236 Tube, vaporizer.
6. SR00038 Screw, 10-24 x  $\frac{3}{8}$  inch oven head.
7. 9R10118 Nut, jamb.
8. 9R10026 Block, eccentric.
9. 9R10096 Head.
10. 9R10194 Stem, eccentric.
11. 9R10202 Stem, valve.
12. 9R10128 Nut, pack.
13. 9R10268 Wheel, stem.
14. SR00036 Screw, 4-36 x  $\frac{1}{4}$  inch, R.H.M.
15. 9R10226 Tube, fuel and air.
16. 9R10076 Frame.
17. 9R10216 Tank, fuel.
18. 9R10080 Gasket, plug.
19. 9R10038 Gap, plug.
20. 9R10052 Chain, plug.
21. SR00035 Screw, 8-32 x  $\frac{3}{16}$  inch R.H.M.
22. 9R10240 Valve, check.
23. 9R10014 Air stem.
24. 9R10164 Plunger leather.
25. 9R10048 Gap, plunger.
26. 9R10176 Rod and handle, plunger.
27. 9R10262 Vaporizer, spare.

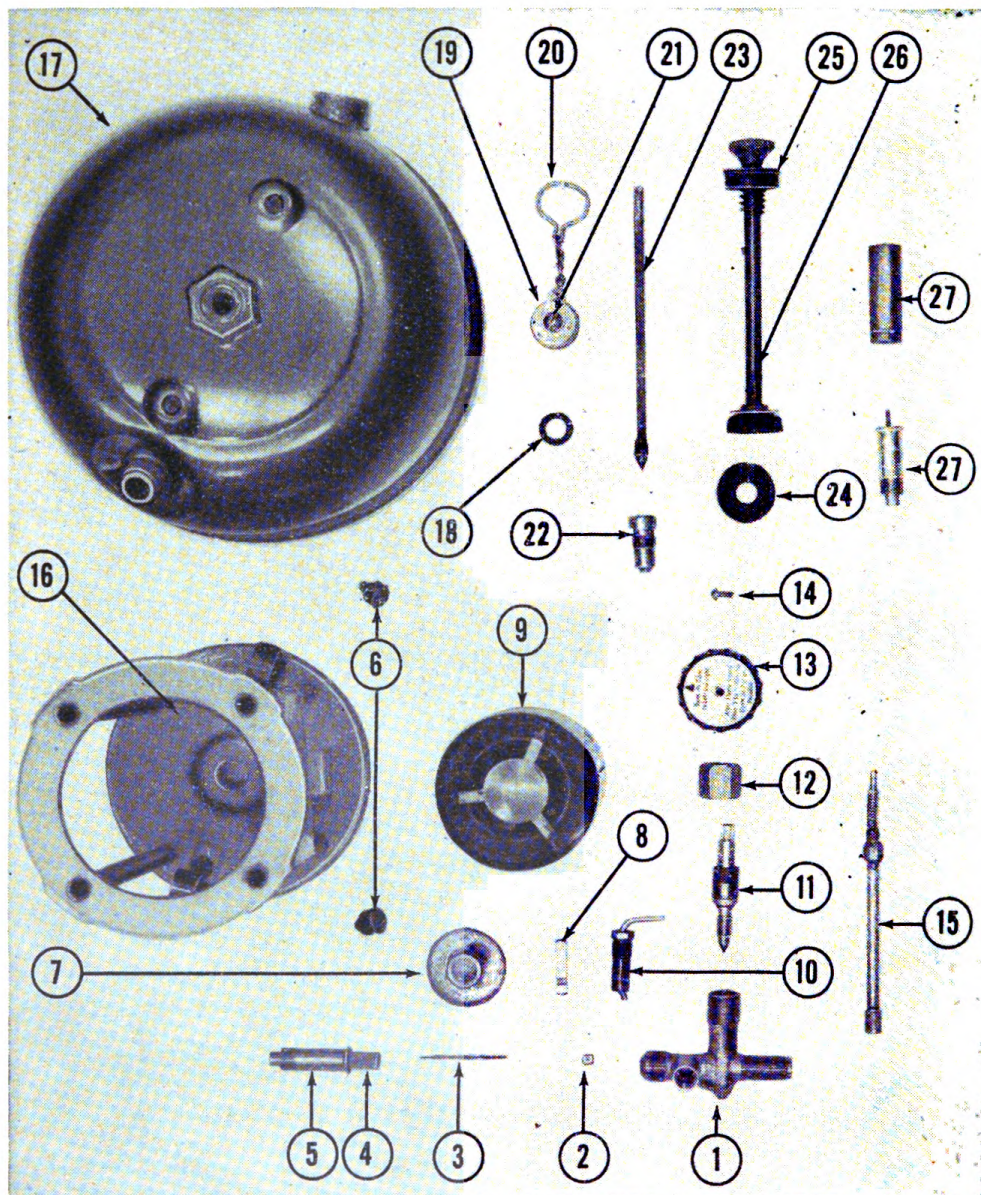


Figure 14. Parts of 5,000 B.t.u. burners and stoves—Items Nos. 99550, 99555, and 9R10000 (except that part 9R10118, vaporizer jamb nut, is used with stove 99550 and burner 9R10000 and part 9R10198, eccentric stem assembly, is used with burner 9R10000).



head (figs. 9, 13, 14, and 15) than is required for efficient and satisfactory operation.

**d. Burner head.** (1) Inspect the burner head or heads (figs. 9, 13, 14, and 15) of a stove or burner frequently to be sure the head has been firmly tightened on the vaporizer (fig. 12). If a head is not tight, the flame will flash yellow and a tendency to lose generation will result.

- |                                   |  |
|-----------------------------------|--|
| 1. 9R10028 Block, eccentric.      | 12. 9R10208 Tank, fuel.                              |
| 2. 9R10112 Needle rod, vaporizer. | 13. 9R10148 Plug, filler tube.                       |
| 3. 9R10056 Coil, filler.          | 14. 9R10084 Gasket, plug.                            |
| 4. 9R10234 Tube, vaporizer.       | 15. 9R10164 Plunger leather.                         |
| 5. 9R10120 Nut, jamb.             | 16. 9R10158 Plunger, air pump.                       |
| 6. 9R10094 Head.                  | 17. 9R10238 Valve, check.                            |
| 7. 9R10020 Baffle, wind.          | 18. 9R10012 Air stem.                                |
| 8. 9R10088 Gauge, pressure.       | 19. 9R10200 Stem, valve.                             |
| 9. 9R10196 Stem, eccentric.       | 20. 9R10124 Nut, pack.                               |
| 10. 9R10100 Housing, valve.       | 21. 9R10268 Wheel, stem.                             |
| 11. 9R10228 Tube, fuel and air.   | 22. SR00047 Screw, 4-36 x $\frac{3}{8}$ inch, R.H.M. |

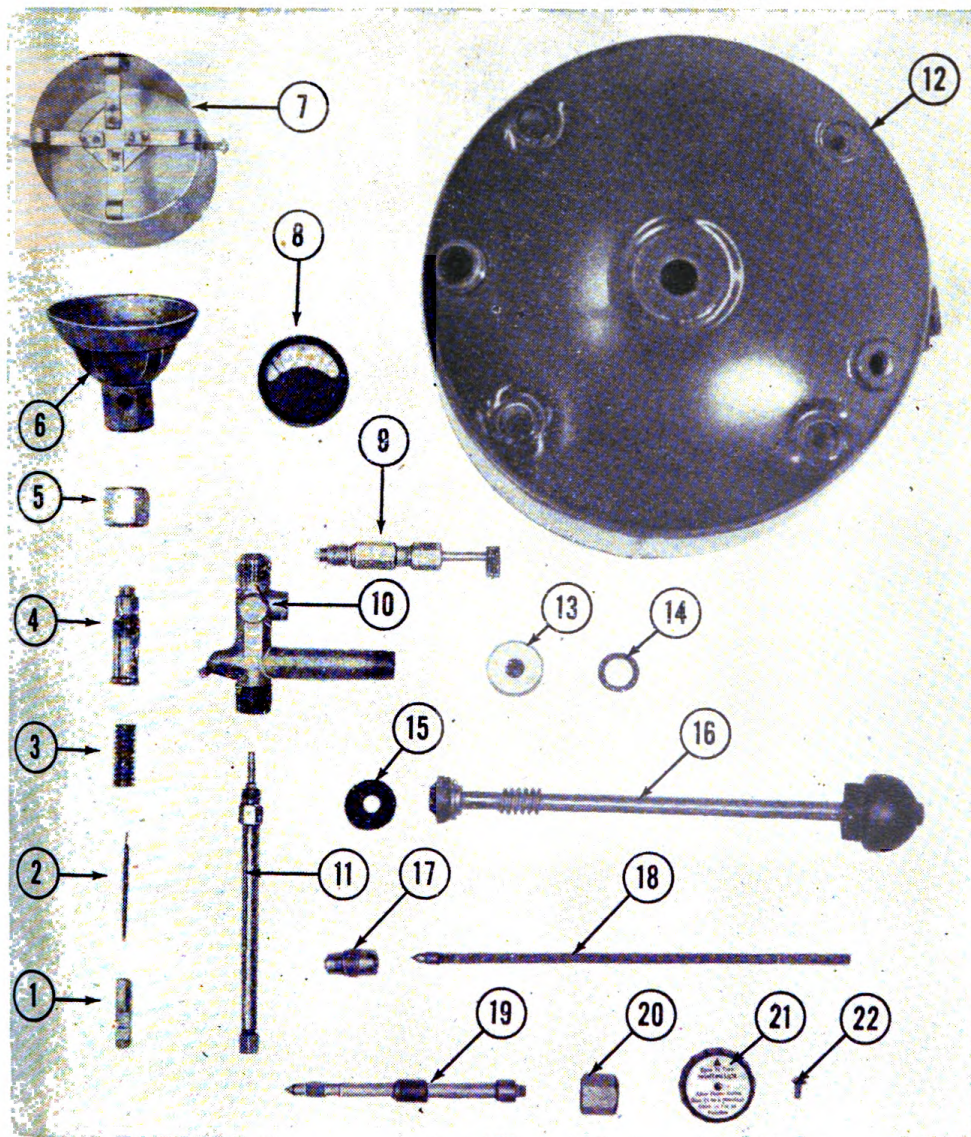


Figure 15. Parts of 10,000 B.t.u. burners—Items Nos. 9R10001, 9R10002, 9R10003, and 9R10004.



(2) Inspect the plate (fig. 13) of the burner head occasionally, employing the following procedure:

(a) Loosen the two screws (fig. 13) that join the burner plate and wind baffle, and lift the plate and baffle off the burner head. Hold the burner plate down while the screws are being loosened, to avoid binding and damage of the threads of the screws.

(b) Remove the deposit of powdery crystals from the bottom of the burner plate. If this deposit is not cleaned off occasionally, it will cause backfiring and result in inefficient operation of the stove or burner.

**e. Pack nuts.** Verify the tightness of the pack nut (figs. 9, 14, and 15) on the stem of the fuel control valve (figs. 9 and 10) and that of the eccentric pack nut (figs. 9 and 12). If fuel leaks develop, close the fuel control valve immediately to extinguish the stove or burner and tighten the connections as soon as, but not until, the stove or burner is extinguished.

**f. Filler plug.** Inspect filler tube plug (figs. 9 and 15) occasionally. If the plug gasket (figs. 9, 14, and 15) is cracked or deeply grooved, replace it with a new gasket, employing the following procedure:

(1) Tighten the plug cap (figs. 9 and 14) on the filler tube plug so as to hold the plug disk (fig. 9) firmly while loosening the screw in the top of the filler tube plug.

(2) Remove the disk and gasket by slipping the point of a knife under the gasket and lifting them out of the groove. Replace old gasket with a new gasket, pressing the new gasket into place with the fingers.

**g. Pump.** (1) Keep the leather on the plunger (figs. 9, 14, and 15) soft, employing the following procedure:

(a) Unscrew the cap (figs. 9 and 14) on the air pump plunger.

(b) Place a few drops of oil in the barrel of the pump.

(c) Replace the cap on the air pump plunger (figs. 9 and 15).

(2) If the check valve (small metal ball) in the air pump sticks (figs. 9, 14, and 15), proceed as follows:

(a) Remove pump plunger.

(b) Insert screw driver into the pump barrel and unscrew the check valve.

(c) Remove the check valve and wash it thoroughly in gasoline.

(d) Restore the check valve to its normal position in the pump barrel.

**h. Fuel.** If the life of the vaporizer filler screen (fig. 12) is relatively short, the fuel tank (figs. 9, 14, and 15) probably contains loose carbon or dirt. To remedy this difficulty, proceed as follows:

(1) Remove the fuel from the fuel tank by removing the pressure gauge (figs. 9 and 15) and then pouring the fuel through the gauge outlet. If the stove or burner is not equipped with a pressure gauge, remove the burner head and the fuel control valve assembly, and then pour the contents of the tank through the valve opening.

(2) Clean the inside of the fuel tank by rinsing it with clean gasoline.

(3) Refill the tank with clean fuel.

**i. Precautions.** The following procedure should be employed in

preparing a stove or burner for storage, and also if water accumulates in the fuel tank:

(1) Remove the air pressure gauge (figs. 9 and 15) and pour the contents of the fuel tank through the gauge outlet. Then replace the gauge.

(2) If the stove or burner is not equipped with an air pressure gauge, remove the burner head and fuel control valve assembly, and then pour the contents of the fuel tank through the valve opening. Replace the burner head and fuel control valve assembly.

**j. Yellow flame.** One or more of the following defects may cause the stove or burner to operate with a yellow flame:

(1) Carbon or gum bridging across the gas tip (figs. 9 and 12).

(2) Accumulation of carbon on the lower surface of the burner plate (fig. 13).

(3) Dirt or carbon clogging the vaporizer filler screen (figs. 9, 12, and 14).

(4) Burner head (figs. 9, 13, 14, and 15) not firmly tightened on the vaporizer tube (fig. 12).

**15. SPARE PARTS AND KITS. a.** Kits of spare parts are available for each stove and burner. Each kit is marked with the manufacturer's number of the stove or burner with which the kit is to be used. The kits are listed below by Medical Department number of the kit, Medical Department item number of the stove or burner with which the kit is to be used, manufacturer's number of the stove or burner with which the kit is to be used, and the parts in the kit by Medical Department number, description, and quantity in the kit:

(1) Medical Department kit No. 9R10280, Medical Department Item No. 99550, manufacturer's No. 521.

Med. Dept. No.	Description	Quantity
9R10080	Filler tube plug gasket.....	2
9R10110	Vaporizer needle rod.....	1
9R10138	Valve stem packing.....	1
9R10150	Filler tube plug.....	1
9R10164	Pump plunger leather.....	1
9R10182	Vaporizer filler screen.....	1
9R10256	Vaporizer assembly.....	2
.....	Wrench.....	1



(2) Medical Department kit No. 9R10285, Medical Department Item No. 99555, manufacturer's No. 523.

Med. Dept. No.	Description	Quantity
9R10044	Filler tube plug cap.....	1
9R10086	Filler tube plug gasket.....	2
9R10110	Vaporizer needle rod.....	2
9R10138	Valve stem packing.....	1
9R10164	Pump plunger leather.....	1
9R10182	Vaporizer filler screen.....	2
9R10256	Vaporizer assembly.....	4
.....	Wrench.....	1

(3) Medical Department kit No. 9R10290, Medical Department Item No. 9R10000, manufacturer's No. 526.

Med. Dept. No.	Description	Quantity
9R10080	Filler tube plug gasket.....	1
9R10110	Vaporizer needle rod.....	1
9R10138	Valve stem packing.....	1
9R10150	Filler tube plug.....	1
9R10164	Pump plunger leather.....	1
9R10182	Vaporizer filler screen.....	1
9R10256	Vaporizer assembly.....	2
.....	Wrench.....	1

(4) Medical Department kit No. 9R10291, Medical Department Item No. 9R10001, manufacturer's No. 522.

Med. Dept. No.	Description	Quantity
9R10056	Vaporizer filler coil.....	2
9R10084	Filler tube plug gasket.....	2
9R10112	Vaporizer needle rod.....	1
9R10136	Valve stem packing.....	1
9R10140	Eccentric stem packing.....	1
9R10148	Filler tube plug.....	1
9R10164	Pump plunger leather.....	1
9R10184	Vaporizer filler screen.....	2
9R10200	Valve stem assembly.....	1
9R10254	Vaporizer assembly.....	2
.....	Wrench.....	1

(5) Medical Department kit No. 9R10292, Medical Department Item No. 9R10002, manufacturer's No. 525.

Med. Dept. No.	Description	Quantity
9R10056	Vaporizer filler coil.....	4
9R10082	Filler tube plug gasket.....	1
9R10112	Vaporizer needle rod.....	2
9R10136	Valve stem packing.....	1
9R10140	Eccentric stem packing.....	1
9R10152	Filler tube plug.....	1
9R10164	Pump plunger leather.....	1
9R10184	Vaporizer filler screen.....	4
9R10200	Valve stem assembly.....	1
9R10254	Vaporizer assembly.....	4
.....	Wrench.....	1



(6) Medical Department kit No. 9R10293, Medical Department Item No. 9R10003, manufacturer's No. 524-497:

Med. Dept. No.	Description	Quantity
9R10056	Vaporizer filler coil.....	4
9R10082	Filler tube plug gasket.....	1
9R10112	Vaporizer needle rod.....	4
9R10136	Valve stem packing.....	1
9R10140	Eccentric stem packing.....	1
9R10152	Filler tube plug.....	1
9R10164	Pump leather.....	2
9R10184	Vaporizer filler screen.....	4
9R10200	Valve stem assembly.....	2
9R10254	Vaporizer assembly.....	4
.....	Wrench.....	1

(7) Medical Department kit No. 9R10294, Medical Department Item No. 9R10004, manufacturer's No. 522-375S.

Med. Dept. No.	Description	Quantity
9R10056	Vaporizer filler coil.....	4
9R10082	Filler tube plug gasket.....	2
9R10112	Vaporizer needle rod.....	4
9R10154	Filler tube plug.....	1
9R10166	Pump plunger leather.....	2
9R10184	Vaporizer filler screen.....	4
9R10200	Valve stem assembly.....	1
9R10254	Vaporizer assembly.....	4
.....	Wrench.....	1

b. The kits listed in a (1) to (7), inclusive, above and the parts listed below can be obtained from the supply depot.

(1) Medical Department Item No. 99550, manufacturer's No. 521.

Med. Dept. No.	Description
9R10096) 9R10226} ..... 9R10264)	Burner unit assembly, complete
9R10014. ....	Pump air stem
9R10156. ....	Pump plunger assembly

(2) Medical Department Item No. 99555, manufacturer's No. 523.

Med. Dept. No.	Description
9R10016. ....	Pump air stem
9R10096) 9R10026} ..... 9R10264)	Burner unit assembly, complete
9R10162. ....	Pump plunger assembly

(3) Medical Department Item No. 9R10000, manufacturer's No. 526.

Med. Dept. No.	Description
9R10096) 9R10226} ..... 9R10260)	Burner unit assembly, complete
9R10014. ....	Pump air stem
9R10156. ....	Pump plunger assembly

(4) Medical Department Item No. 9R10001, manufacturer's No. 522.

Med. Dept. No.	Description
9R10020) 9R10094) 9R10228) ..... 9R10258)	Burner unit assembly, complete
9R10012.....	Pump air stem
9R10088.....	Air pressure gauge
9R10158.....	Pump plunger assembly

(5) Medical Department Item No. 9R10002, manufacturer's No. 525.

Med. Dept. No.	Description
9R10020) 9R10094) 9R10228) ..... 9R10258)	Burner unit assembly, complete
9R10010.....	Pump air stem
9R10088.....	Air pressure gauge
9R10160.....	Pump plunger assembly

(6) Medical Department Item No. 9R10003, manufacturer's No. 524-497.

Med. Dept. No.	Description
9R10020) 9R10094) 9R10228) ..... 9R10258)	Burner unit assembly, complete
9R10010.....	Pump air stem
9R10088.....	Air pressure gauge
9R10160.....	Pump plunger assembly



(7) Medical Department Item No. 9R10004, manufacturer's No. 522-3758.

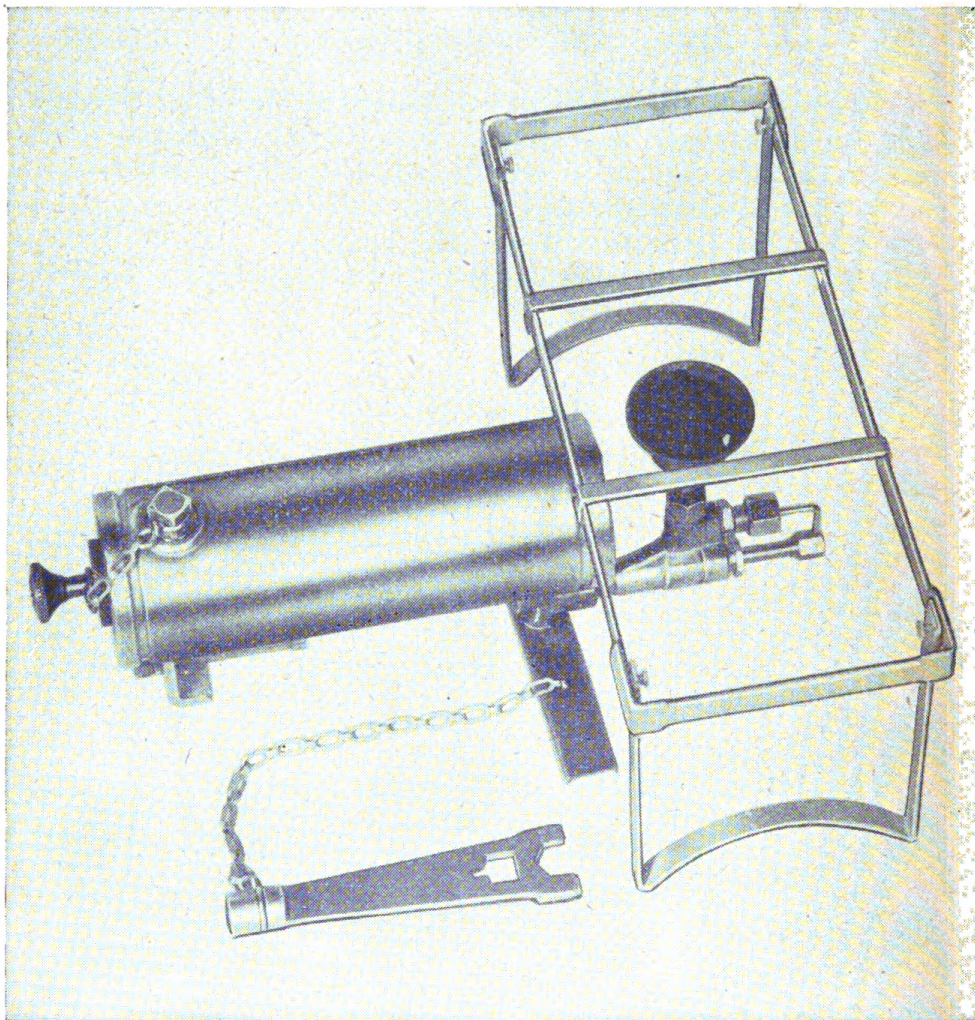
Med. Dept. No.	Description
9R10020) 9R10094) 9R10228) ..... 9R10258)	Burner unit assembly, complete
9R10168. ....	Air pump

**16. INTERCHANGE OF PARTS.** As indicated in appendix I (Standard Nomenclature List) and appendix II (List of individual stoves and burners, assemblies, and component parts), certain parts are identical for two or more of the stoves and burners; such parts are interchangeable. In the appendixes, each such interchangeable part is listed, in every instance where it appears, by the same part number and nomenclature.

## SECTION V

### BURNER, ONE 2,500 B. T. U. HEAD: ITEM NO. 9R10005

**17. OPERATING INSTRUCTIONS.** The operating instructions discussed in section II, and the principle of operation discussed in section III, apply also to Item No. 9R10005, Burner, One 2,500 B.t.u. Head. Construction of the burner (figs. 16, 17, and 18) is, however, slightly different from that of the stoves and burners already described, which are substantially larger than this burner.



*Figure 16. Item No. 9R10350—Stove assembly gasoline.*

a. The air pump mechanism and its operation are essentially the same as in the instance of the larger units. Fifteen to 20 strokes of the pump are required to obtain proper air pressure before lighting the burner.

b. The burner head, eccentric, vaporizer assembly, and needle rod assembly are identical, except as to size, with those of the larger stoves and burners.

c. The fuel control valve has an extension which acts in the same capacity as the fuel control rod of the other stoves and burners. This extension projects into the instant light body, and movement of the fuel control valve stem actuates both the fuel control valve and the instant light body valve (fig. 17). The principle involved in the operation of generating the instant light mixture, in controlling the movement of the mixture, and, subsequently, in controlling the movement of the gasoline to the burner head is identical with that of the other stoves and burners. The mechanical arrangement of this burner differs, however, from that of the others, principally because it is a horizontal unit whereas the others are vertical units.



1. 9R10318 Valve, fuel control.
2. 9R10322 Packing, valve stem.
3. 9R10320 Stem, valve.
4. 9R10326 Stem, eccentric.
5. 9R10328 Block, eccentric.
6. 9R10336 Nut, vaporizer.
7. 9R10330 Vaporizer, burner.
8. 9R10342 Head.
9. 9R10300 Tank, fuel.
10. 9R10312 Valve, check.
11. 9R10308 Leather, pump.
12. 9R10310 Air stem.
13. 9R10306 Plunger, pump.
14. 9R10302 Plug, filler.
15. 9R10304 Gasket, filler plug.
16. 9R10344 Container, spare vaporizers.
17. 9R10338 Housing, instant light.
18. 9R10340 Body valve, instant light.

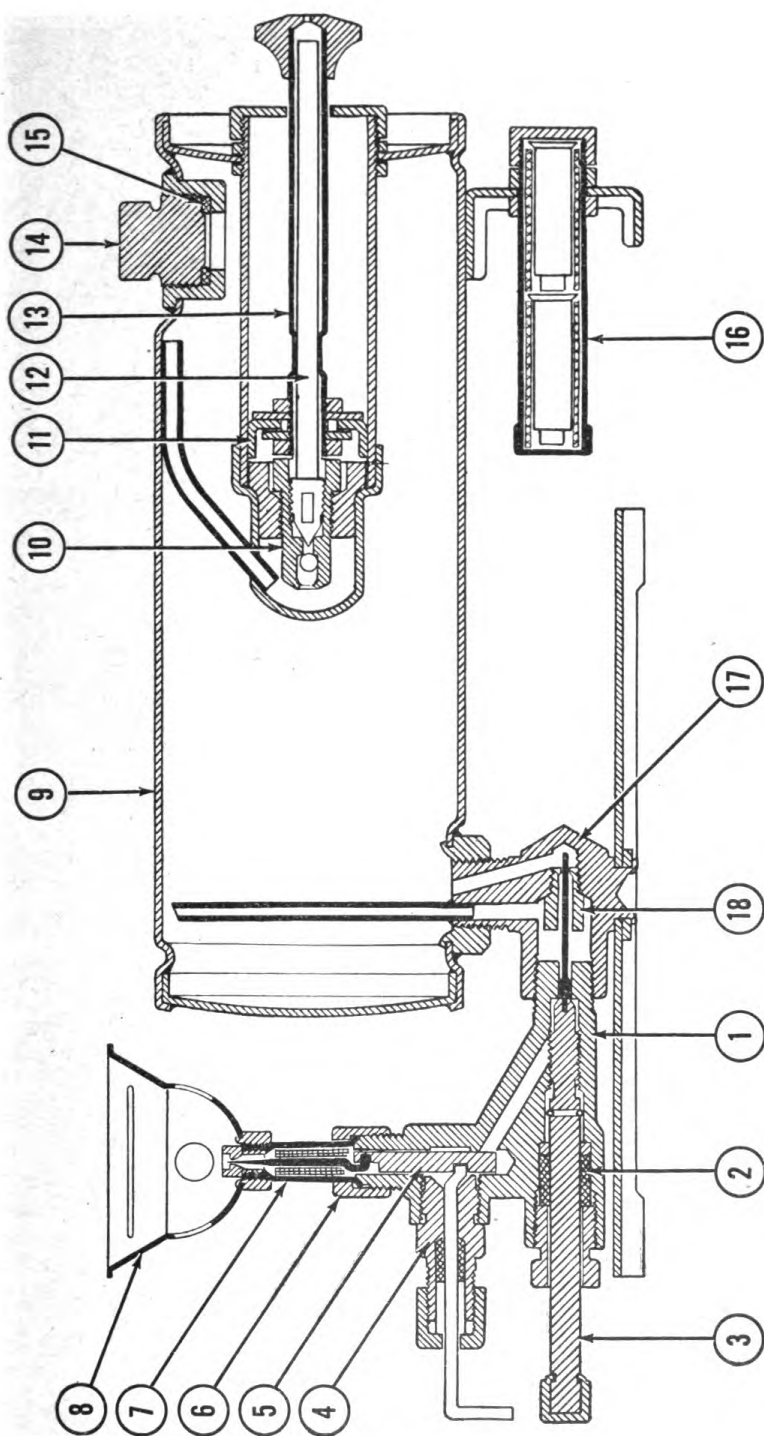


Figure 17. Cross-section of burner, one 2,500 B.t.u. head—Item No. 9R10005.



1. 9R10320 Stem, valve.
2. 9R10326 Stem, eccentric.
3. 9R10346 Wrench, combination.
4. 9R10342 Head.
5. 9R10330 Vaporizer, burner.
6. 9R10328 Block, eccentric.
7. 9R10336 Nut, vaporizer.
8. 9R10324 Housing, valve.
9. 9R10338 Housing, instant light.

10. 9R10340 Body valve, instant light.
11. 9R10300 Tank, fuel.
12. 9R10344 Container, spare vaporizers.
13. 9R10306 Plunger, pump.
14. 9R10312 Valve, check.
15. 9R10310 Air stem.
16. 9R10302 Plug, filler.
17. 9R10304 Gasket, filler plug.

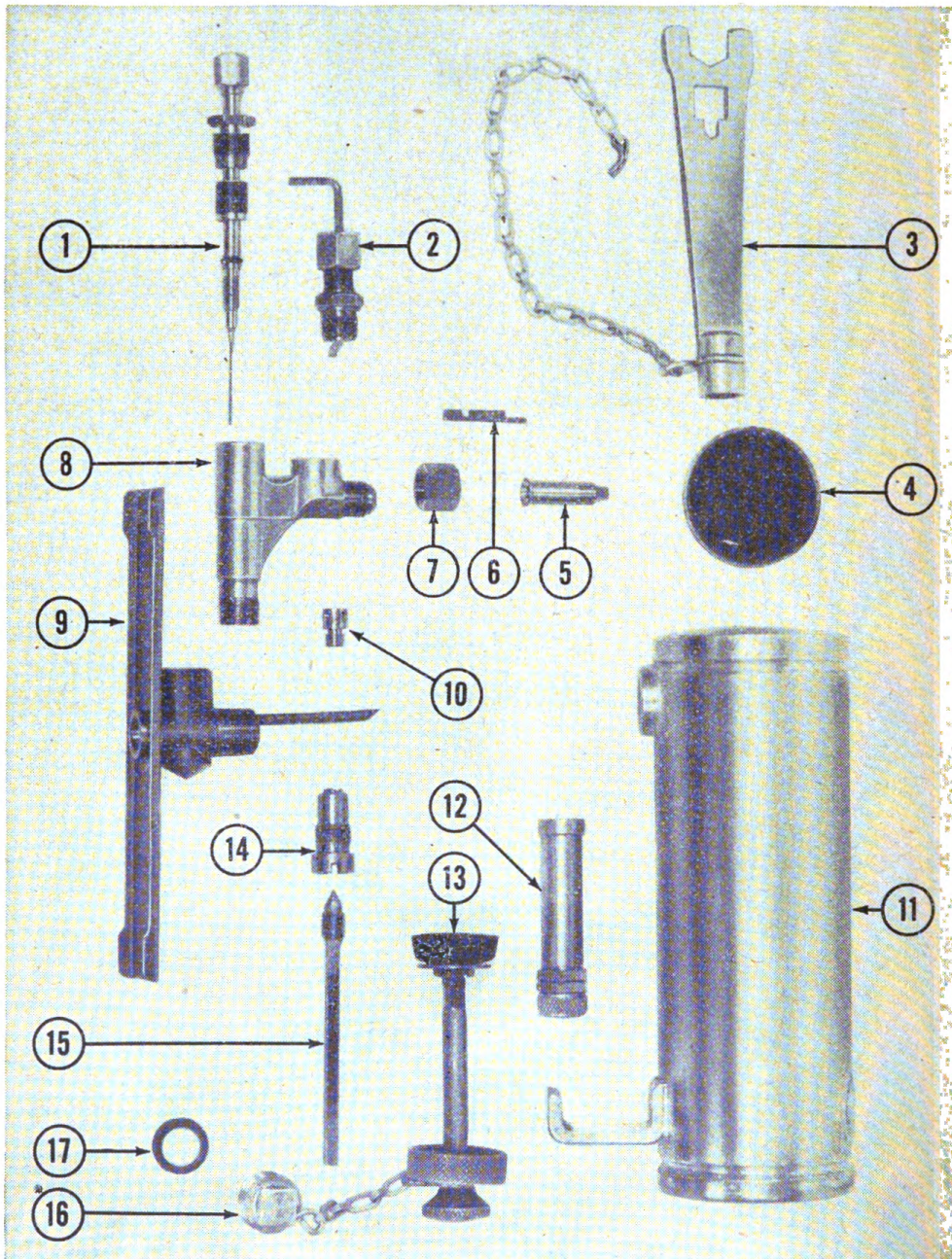


Figure 18. Parts of burner, one 2,500 B.t.u. head—Item No. 9R10005.



**18. MAINTENANCE.** Maintenance for this burner is identical with that discussed in paragraph 14 for the other stoves and burners.

**19. SPARE PARTS AND KITS.** Kit of spare parts is available for Burner 9R10005.

a. Medical Department Kit No. 9R10295, Medical Department Item No. 9R10005, manufacturer's No. 527.

Med. Dept. No.	Description	Quantity
9R10330	Vaporizer assembly.....	3
9R10304	Filler plug gasket.....	1
9R10322	Valve stem packing.....	1
9R10308	Pump leather.....	1

b. The following parts are also available:

Med. Dept. No.	Description
9R10328.....	Eccentric block
9R10310.....	Air stem
9R10302.....	Filler plug
9R10326.....	Eccentric stem
9R10320.....	Valve stem
9R10342.....	Burner head
9R10336.....	Vaporizer nut
9R10318.....	Fuel control valve
9R10338.....	Instant light housing
9R10306.....	Pump plunger

**20. STANDARD NOMENCLATURE LIST.** Since the parts for this burner are not interchangeable with the parts of the other stoves and burners, they are listed here as follows:

Medical Department Number			Nomenclature and description
Stove or burner	Component part or assembly	Component part in assembly	
9R10005	9R10300		BURNER, ONE 2,500 B.T.U. HEAD, GASOLINE.
		9R10302	TANK, FUEL, 9R10005.
	9R10306	9R10304	PLUG, FILLER, 9R10005: With chain.
			GASKET, FILLER PLUG, 9R10005.
	9R10310		PLUNGER, PUMP, COMPLETE, 9R10005: Assembly.
		9R10308	LEATHER, PUMP, 9R10005.
	9R10312		AIR STEM, 9R10005.
			VALVE, CHECK, 9R10005: Assembly.
	9R10318	9R10314	VALVE, BODY, 9R10005.
		9R10316	VALVE, PLUNGER, 9R10005.
	9R10320		VALVE, FUEL CONTROL, COMPLETE, 9R10005: Assembly.
			STEM, VALVE, COMPLETE, 9R10005.
	9R10322		PACKING, VALVE STEM, 9R10005.
		9R10324	HOUSING, VALVE, 9R10005: Fuel control valve.
	9R10326		STEM, ECCENTRIC, 9R10005.
			BLOCK, ECCENTRIC, 9R10005.
	9R10328		VAPORIZER, BURNER, COMPLETE, 9R10005: With tube, screen, needle, rod and nut.
		9R10332	TUBE, VAPORIZER, COMPLETE, 9R10005.
	9R10330	9R10334	SCREEN, VAPORIZER, COMPLETE, 9R10005.
		9R10335	NEEDLE ROD, VAPORIZER, COMPLETE, 9R10005.
	9R10336		NUT, VAPORIZER, 9R10005.
			HOUSING, INSTANT LIGHT, COMPLETE, 9R10005: With stand.
	9R10338	9R10340	BODY VALVE, INSTANT LIGHT, COMPLETE, 9R10005.
			HEAD, 9R10005: Assembly complete with stand.
	9R10342		



Medical Department Number			Nomenclature and description
Stove or burner	Component part or assembly	Component part in assembly	
9R10350	9R10344		CONTAINER, SPARE VAPORIZERS, 9R10005: 2 vaporizer tubes and screens in container.
	9R10346		WRENCH, COMBINATION, 9R10005: Complete with chain.
	9R10348		STAND, USED WITH BURNER 9R10005 AS PART OF STERILIZER 99540.
			STOVE ASSEMBLY, 9R10005: Consists of burner No. 9R10005 and stand 9R10348 to hold sterilizer.

# APPENDIX I STANDARD NOMENCLATURE LIST

Medicat Dept. No.	Nomenclature and description	Figure No.
99550	<i>STOVES, BURNERS, KITS, AND SPARE PARTS</i>	1-14
99555	STOVE, ONE BURNER, GASOLINE: Complete with frame and cup.	2-14
	STOVE, TWO BURNER, GASOLINE: Complete with frame assembly, wind baffle, and carrying case.	3-14
9R10000	BURNER, ONE 5,000 B.T.U. HEAD, GASOLINE.	4-9-15
9R10001	BURNER, ONE 10,000 B.T.U. HEAD, GASOLINE.	5-9-15
9R10002	BURNER, TWO 10,000 B.T.U. HEADS, GASOLINE.	6-9-15
9R10003	BURNER, THREE 10,000 B.T.U. HEADS, GASOLINE.	7-9-15
9R10004	BURNER, FOUR 10,000 B.T.U. HEADS, GASOLINE.	8-16-17-18
9R10005	BURNER, ONE 2,500 B.T.U. HEAD, GASOLINE.	..
9R10280	KIT, SPARE PART, STOVE 99550.	..
9R10285	KIT, SPARE PART, STOVE 99555.	..
9R10290	KIT, SPARE PART, BURNER 9R10000.	..
9R10291	KIT, SPARE PART, BURNER 9R10001.	..
9R10292	KIT, SPARE PART, BURNER 9R10002.	..
9R10293	KIT, SPARE PART, BURNER 9R10003.	..
9R10294	KIT, SPARE PART, BURNER 9R10004.	..
9R10295	KIT, SPARE PART, BURNER 9R10005.	..
SR00003	<i>Common Parts</i>	..
SR00035	SCREW, 8-32 x 1½ INCH, R.H.M.: For wind baffle; burners 9R10001-2-3-4.	14
	SCREW, 8-32 x 5/16 INCH, R.H.M.: Zinc-plated brass, for filler tube plug; burner 99550	



SR00036	SCREW, 4-36 x 1/4 INCH, R.H.M.: Zinc-plated brass, for plunger cap and valve stem wheel; burners 99550, 9R10000.	14
SR00037	WASHER, 1 1/4 INCH, x 3/4 INCH, x .040 INCH.	..
SR00038	SCREW, 10-24 x 3/8 INCH OVEN HEAD: Parkerized steel, for frames to fuel tank; burners 99550-5, 9R10000.	14
SR00039	WASHER, 10 x 3/8 INCH, x 3/4 INCH, SPRING LOCK: For stove frame; burners 99550-5, 9R10000.	..
SR00040	SCREW, 6-32 x 1/4 INCH, R.H.M.: Parkerized iron, for utility cup clip; one burner stove	..
SR00041	WASHER, 6 x 1/16 INCH, x 3/4 INCH, LOCK.	..
SR00042	WASHER, 6 x 3/8 INCH, x 6 INCH: Parkerized steel, for utility cup clip; one burner stove	..
SR00043	NUT, 6 x 32 HEX: Parkerized iron, for utility cup clip; one burner stove.	..
SR00044	SCREW, 10-32 x 1/16 INCH, R.H.M.: Parkerized steel, for filler tube plug; burners 9R10002-3.	..
SR00045	SCREW, 10-32 x 3/8 INCH, R.H.M.: For filler tube plug; burner 9R10001.	..
SR00046	SCREW, 4-36 x 5/16 INCH, R.H.M.: For fuel control valve stem; burners 9R10001-2-3-4	..
SR00047	SCREW, 4-36 x 3/8 INCH, R.H.M.: For eccentric stem; burners 9R10001-2-3-4.	15
SR00153	WASHER, LOCK, SCREW SIZE 6: For utility cup clip; one burner stove.	..
<i>Uncommon Parts</i>		
9R10010	AIR STEM, BURNERS 9R10002-3: Air pump.	..
9R10012	AIR STEM, BURNER ONE 10,000 B.T.U. HEAD: Air pump.	9-15
9R10014	AIR STEM, BURNERS 99550, 9R10000: Air pump.	14
9R10016	AIR STEM, STOVE, TWO BURNER: Air pump.	..
9R10018	AIR STEM, BURNER FOUR 10,000 B.T.U. HEADS: Filler tube.	..
9R10020	BAFFLE, WIND, BURNERS 9R10001-2-3-4: Complete with burner plate.	9-13-15
9R10022	BODY, VALVE, BURNERS 99555, 9R10001-2-3: Air pump check valve.	..
9R10024	BODY, VALVE, BURNERS 99550, 9R10000: Air pump check valve.	..
9R10026	BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.	12-14

Medical Dept. No.	Nomenclature and description	Figure No.
9R10028	BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4	9-12-15
9R10030	BRACKET, FRAME, STOVE TWO BURNER: Stove support.	2
9R10032	BUSHING, STEM, ECCENTRIC, BURNERS 99550-5, 9R10000	..
9R10034	BUSHING, STEM, VALVE, BURNERS 9R10001-2-3-4: Fuel control valve.	9
9R10036	BUSHING, STEM, VALVE, BURNERS 99550-5, 9R10000: Fuel control valve.	..
9R10038	CAP, PLUG, BURNERS 99550, 9R10000: Filler tube.	14
9R10040	CAP, PLUG, BURNERS 9R10002-3: Filler tube.	..
9R10042	CAP, PLUG, BURNER ONE 10,000 B.T.U. HEAD: Filler tube.	9
9R10044	CAP, PLUG, STOVE TWO BURNER: Filler tube.	..
9R10046	CAP, PLUNGER, BURNERS 99555, 9R10001-2-3: Air pump.	9
9R10048	CAP, PLUNGER, BURNERS 99550, 9R10000: Air pump.	14
9R10050	CASE, CARRYING, STOVE TWO BURNER: Complete with handle and hasp.	2
9R10052	CHAIN, PLUG, BURNERS 99550, 9R10000: Complete with small metal plate and hook	14
9R10054	CLIP, UTILITY—CUP, STOVE ONE BURNER	..
9R10056	COIL, FILLER, BURNERS 9R10001-2-3-4: Vaporizer.	12-15
9R10058	COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4: Fuel control valve.	..
9R10060	CORE AND GASKET, BURNER FOUR 10,000 B.T.U. HEADS: Filler plug assembly.	..
9R10062	COUPLING, STEM, BURNERS 9R10001-2-3-4: Eccentric.	9-12
9R10064	COUPLING, TUBE, BURNERS 9R10001-2-3-4: Fuel and air tube.	9
9R10066	CUP, UTILITY, STOVE ONE BURNER	..
9R10068	DISC, PLUG, BURNERS 99550, 9R10000: Filler tube.	..
9R10070	DISC, PLUG, BURNERS 9R10002-3: Filler tube.	..
9R10072	DISC, PLUG, BURNER ONE 10,000 B.T.U. HEAD: Filler tube.	9
9R10074	DRAIN PLUG, BURNER FOUR 10,000 B.T.U. HEADS: Fuel tank	..
9R10076	FRAME, STOVE ONE BURNER, COMPLETE: Assembly.	14

9R10078	FRAME, STOVE TWO BURNER: Assembly.....	2
9R10080	GASKET, PLUG, BURNERS 99550, 9R10000: Filler tube.....	14
9R10082	GASKET, PLUG, BURNERS 9R10002-3-4: Filler tube.....	..
9R10084	GASKET, PLUG, BURNER ONE 10,000 B.T.U. HEAD: Filler tube.....	9-15
9R10086	GASKET, PLUG, STOVE TWO BURNER: Filler tube.....	..
9R10088	GAUGE, PRESSURE, BURNERS 9R10001-2-3: Range, 0 to 60 pounds.....	9-15
9R10090	HANDLE, PLUNGER, BURNERS 9R10001-2-3: Air pump.....	9
9R10092	HANDLE, STEM, BURNERS 9R10001-2-3-4: Eccentric.....	9-12
9R10094	HEAD, BURNERS 9R10001-2-3-4.....	9-13-15
9R10096	HEAD, BURNERS 99550-5, 9R10000, COMPLETE: With wind baffle and burner plate.....	14
9R10098	HOLDER, SPARE VAPORIZER, BURNERS 99550-5, 9R10000.....	1-3
9R10100	HOUSING, VALVE, BURNERS 9R10001-2-3-4: Fuel control.....	9-12-15
9R10102	HOUSING, VALVE, BURNERS 99550-5, 9R10000: Fuel control.....	12-14
9R10104	LEVER, STEM, BURNERS 9R10001-2-3-4: Eccentric.....	12
9R10106	LEVER, STEM, STOVES 99550-5: Eccentric.....	..
9R10108	LEVER, STEM, BURNER ONE 5,000 B.T.U. HEAD.....	..
9R10110	NEEDLE ROD, VAPORIZER, BURNERS 99550-5, 9R10000: Gas tip cleaner.....	12-14
9R10112	NEEDLE ROD, VAPORIZER, BURNERS 9R10001-2-3-4: Gas tip cleaner.....	9-12-15
9R10114	NUT, HANDLE, BURNERS 9R10001-2-3: Plunger.....	..
9R10116	NUT, JAMB, BURNERS 99550, 9R10000: Vaporizer.....	12
9R10118	NUT, JAMB, STOVE TWO BURNER, COMPLETE: Vaporizer, with preheater cup.....	14
9R10120	NUT, JAMB, BURNERS 9R10001-2-3-4: Vaporizer.....	9-15
9R10122	NUT, PACK, BURNERS 9R10001-2-3-4: Eccentric stem.....	9
9R10124	NUT, PACK, BURNERS 9R10001-2-3-4: Valve stem.....	9-15
9R10126	NUT, PACK, BURNERS 99550-5, 9R10000: Eccentric stem.....	12
9R10128	NUT, PACK, BURNERS 99550-5, 9R10000: Valve stem.....	14
9R10130	NUT, PLUNGER, BURNERS 9R10001-2-3: Air pump.....	9
9R10132	NUT, PLUNGER, BURNERS 99550-5, 9R10000: Air pump.....	..



Medical Dept. No.	Nomenclature and description	Figure No.
9R10134	NUT, ROD LOCK, BURNERS 99550-5, 9R10000: Vaporizer.....	14
9R10136	PACKING, STEM, BURNERS 9R10001-2-3-4: Fuel control valve.....	9
9R10138	PACKING, STEM, BURNERS 99550-5, 9R10000: Fuel control valve.....	..
9R10140	PACKING, STEM, BURNERS 9R10001-2-3-4: Eccentric.....	..
9R10142	PACKING, STEM, BURNERS 99550-5, 9R10000: Eccentric.....	..
9R10144	PIN, HANDLE, BURNERS 9R10001-2-3: Air pump plunger.....	..
9R10146	PLATE, BURNER ONE 5,000 B.T.U. HEAD: Top of fuel tank.....	3
9R10148	PLUG, FILLER TUBE, BURNER ONE 10,000 B.T.U. HEAD: Assembly.....	15
9R10150	PLUG, FILLER TUBE, BURNERS 99550, 9R10000: Assembly.....	..
9R10152	PLUG, FILLER TUBE, BURNERS 9R10002-3: Assembly.....	..
9R10154	PLUG, FILLER TUBE, BURNER FOUR 10,000 B.T.U. HEADS: Assembly.....	..
9R10156	PLUNGER, AIR PUMP, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	..
9R10158	PLUNGER, AIR PUMP, BURNER ONE 10,000 B.T.U. HEAD, COMPLETE: Assembly.....	9-15
9R10160	PLUNGER, AIR PUMP, BURNERS 9R10002-3, COMPLETE: Assembly.....	..
9R10162	PLUNGER, AIR PUMP, STOVE TWO BURNER, COMPLETE: Assembly.....	..
9R10164	PLUNGER LEATHER, BURNERS 99550-5, 9R10000-1-2-3: Air pump.....	9-14-15
9R10166	PLUNGER LEATHER, BURNER FOUR 10,000 B.T.U. HEADS: Air pump.....	..
9R10168	PUMP, AIR, BURNER FOUR 10,000 B.T.U. HEADS.....	7
9R10170	ROD, FUEL CONTROL, BURNERS 9R10001-2-3-4: Fuel and air tube.....	9-10
9R10172	ROD, FUEL CONTROL, BURNERS 99550-5, 9R10000: Fuel and air tube.....	10
9R10174	ROD AND HANDLE, PLUNGER, STOVE TWO BURNER: Air pump.....	..
9R10176	ROD AND HANDLE, PLUNGER, BURNERS 99550, 9R10000: Air pump.....	14
9R10178	ROD, PLUNGER, BURNER ONE 10,000 B.T.U. HEAD: Air pump.....	..
9R10180	ROD, PLUNGER, BURNERS 9R10002-3: Air pump.....	..
9R10182	SCREEN, FILLER, BURNERS 99550-5, 9R10000: Vaporizer.....	12-14

9R10184	SCREEN, FILLER, BURNERS 9R10001-2-3-4: Vaporizer.....	9-12
9R10186	SHIELD, WIND, STOVE TWO BURNER: Complete.....	2
9R10188	SPRING, PLUNGER, BURNERS 9R10001-2-3: Air pump.....	9
9R10190	SPRING, PLUNGER, BURNERS 99550-5, 9R10000: Air pump.....	..
9R10192	SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4: Fuel and air tube.....	10
9R10194	STEM, ECCENTRIC, STOVES 99550-5, COMPLETE: Assembly.....	12-14
9R10196	STEM, ECCENTRIC, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	9-12-15
9R10198	STEM, ECCENTRIC, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Assembly.....	12
9R10200	STEM, VALVE, BURNERS 9R10001-2-3-4, COMPLETE: Fuel control assembly.....	9-10-15
9R10202	STEM, VALVE, STOVE ONE BURNER, COMPLETE: Fuel control assembly.....	10-14
9R10204	STEM, VALVE, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Fuel control assembly.....	10
9R10206	STEM, VALVE, STOVE TWO BURNER, COMPLETE: Fuel control assembly.....	10
9R10208	TANK, FUEL, BURNER ONE 10,000 B.T.U. HEAD: Capacity 2 quarts.....	9-15
9R10210	TANK, FUEL, BURNER TWO 10,000 B.T.U. HEADS: Capacity 1 gallon.....	5
9R10212	TANK, FUEL, BURNER FOUR 10,000 B.T.U. HEADS: Fuel tank.....	7
9R10214	TANK, FUEL, STOVE TWO BURNER: Capacity 2 pints.....	2
9R10216	TANK, FUEL, BURNERS 99550, 9R10000: Capacity 2 pints.....	14
9R10218	TANK, FUEL, BURNER THREE 10,000 B.T.U. HEADS: Capacity 1 gallon.....	6
9R10220	TIP, FUEL, BURNERS 9R10001-2-3-4: Fuel and air tube.....	..
9R10222	TIP, GAS, BURNERS 9R10001-2-3-4: Vaporizer.....	9-12
9R10224	TIP, GAS, BURNERS 99550-5, 9R10000: Vaporizer.....	12
9R10226	TUBE, FUEL AND AIR, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.....	11-14
9R10228	TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	9-11-15
9R10230	TUBE, INNER, BURNERS 9R10001-2-3-4: Fuel and air tube.....	11
9R10232	TUBE, OUTER, BURNERS 9R10001-2-3-4: Fuel and air tube.....	11
9R10234	TUBE, VAPORIZER, BURNERS 9R10001-2-3-4.....	9-12-15
9R10236	TUBE, VAPORIZER, BURNERS 99550-5, 9R10000.....	12-14

Medical Dept. No.	Nomenclature and description	Figure No.
9R10238	VALVE, CHECK, BURNERS 99555, 9R10001-2-3: Assembly.....	9-15
9R10240	VALVE, CHECK, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	14
9R10242	VALVE, FUEL CONTROL, STOVE ONE BURNER, COMPLETE: Assembly.....	..
9R10244	VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	..
9R10246	VALVE, FUEL CONTROL, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Assembly.....	..
9R10248	VALVE, FUEL CONTROL, STOVE TWO BURNER, COMPLETE: Assembly.....	..
9R10250	VALVE PLUNGER, BURNERS 99555, 9R10001-2-3: Air check valve.....	..
9R10252	VALVE PLUNGER, BURNERS 99550, 9R10000: Air check valve.....	..
9R10254	VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	12
9R10256	VAPORIZER, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	..
9R10258	VAPORIZER AND VALVE, BURNERS 9R10001-2-3-4, COMPLETE: Fuel and air control valve; assembly.....	..
9R10260	VAPORIZER AND VALVE, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Fuel and air control valve; assembly.....	..
9R10262	VAPORIZER, SPARE, BURNERS 99550-5, 9R10000, COMPLETE: Consists of needle rod, filler, screw, gas tip, and vaporizer tube, in a container.....	14
9R10264	VAPORIZER AND VALVE, STOVES 99550-5, COMPLETE: Fuel and air control valve; assembly.....	..
9R10265	WASHER, $1\frac{1}{64}$ INCH x $\frac{3}{4}$ INCH x .040 INCH: Hard cold-rolled strip steel, for air pump plunger; burners 99550, 9R10000.....	..
9R10266	WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4: Fuel control valve stem.....	..
9R10268	WHEEL, STEM, BURNERS 99550, 9R10000-1-2-3-4: Fuel control valve.....	14-15
9R10270	WHEEL, STEM, STOVE TWO BURNER: Fuel control valve.....	..





## APPENDIX II

## LIST OF INDIVIDUAL STOVES AND BURNERS, ASSEMBLIES, AND COMPONENT PARTS

Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
99550	9R10216 9R10150		STOVE, ONE BURNER, GASOLINE.....		1-14
			TANK, FUEL, BURNERS 99550, 9R10000.....	1	14
	9R10038 9R10052 9R10068 9R10080 SR00035		PLUG, FILLER TUBE, BURNERS 99550, 9R10000: Assembly	1	1-3
			CAP, PLUG, BURNERS 99550, 9R10000.....	1	14
			CHAIN, PLUG, BURNERS 99550, 9R10000.....	1	14
			DISC, PLUG, BURNERS 99550, 9R10000.....	1	..
			GASKET, PLUG, BURNERS 99550, 9R10000.....	1	14
			SCREW, 8—32 x $\frac{5}{16}$ INCH, R.H.M.....	1	14
			PLUNGER, AIR PUMP, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	1	..
	9R10156		CAP, PLUNGER, BURNERS 99550, 9R10000.....	1	14
			NUT, PLUNGER, BURNERS 99550-5, 9R10000.....	2	..
			PLUNGER LEATHER, BURNERS 99550-5, 9R10000-1-2-3.....	1	9-14-15
			ROD AND HANDLE, PLUNGER, BURNERS 99550, 9R10000.....	1	14
			SCREW, 4—36 x $\frac{1}{4}$ INCH, R.H.M.....	2	14
			SPRING, PLUNGER, BURNERS 99550-5, 9R10000.....	1	..
			WASHER, $\frac{17}{64}$ INCH x $\frac{3}{4}$ INCH x .040 INCH.....	1	..
			AIR STEM, BURNERS 99550, 9R10000.....	1	14
	9R10014 9R10240		VALVE, CHECK, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	1	14

9R10226	9R10024	BODY, VALVE, BURNERS 99550, 9R10000.....	1	..
	9R10252	VALVE PLUNGER, BURNERS 99550, 9R10000.....	1	..
9R10242	9R10172	TUBE, FUEL AND AIR, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.....	1	11-14
	9R10192	ROD, FUEL CONTROL, BURNERS 99550-5, 9R10000.....	1	10
9R10194	9R10036	SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	10
	9R10102	VALVE, FUEL CONTROL, STOVE ONE BURNER, COM- PLETE: Assembly.....	1	..
9R10026 9R10256	9R10128	BUSHING, STEM, VALVE, BURNERS 99550-5, 9R10000.....	1	..
	9R10138	COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	..
9R10032	9R10106	HOUSING, VALVE, BURNERS 99550-5, 9R10000.....	1	12-14
	9R10126	NUT, PACK, BURNERS 99550-5, 9R10000.....	1	14
9R10026 9R10256	9R10142	PACKING, STEM, BURNERS 99550-5, 9R10000.....	1	..
	9R10110	BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	14
9R10026 9R10256	9R10110	VAPORIZER, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	1	10-14
	9R10110	NEEDLE ROD, VAPORIZER, BURNERS 99550-5, 9R10000.....	1	14-15
9R10026 9R10256	9R10032	STEM, ECCENTRIC, STOVES 99550-5, COMPLETE: Assembly.....	1	12-14
	9R10106	BUSHING, STEM, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	..
9R10026 9R10256	9R10106	LEVER, STEM, STOVES 99550-5.....	1	..
	9R10126	NUT, PACK, BURNERS 99550-5, 9R10000.....	1	12
9R10026 9R10256	9R10142	PACKING, STEM, BURNERS 99550-5, 9R10000.....	1	..
	9R10110	BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	12-14
9R10026 9R10256	9R10110	VAPORIZER, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	1	..
	9R10110	NEEDLE ROD, VAPORIZER, BURNERS 99550-5, 9R10000.....	1	12-14



Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
		9R10116	NUT, JAMB, BURNERS 99550, 9R10000.....	1	12
		9R10134	NUT, ROD LOCK, BURNERS 99550-5, 9R10000.....	1	14
		9R10182	SCREEN, FILLER, BURNERS 99550-5, 9R10000.....	1	12-14
		9R10224	TIP, GAS, BURNERS 99550-5, 9R10000.....	1	12
		9R10236	TUBE, VAPORIZER, BURNERS 99550-5, 9R10000.....	1	12-14
	9R10096		HEAD, BURNERS 99550-5, 9R10000, COMPLETE.....	1	14
	9R10076		FRAME, STOVE ONE BURNER, COMPLETE: Assembly.....	1	14
		9R10054	CLIP, UTILITY CUP, STOVE ONE BURNER.....	2	..
		9R10098	HOLDER, SPARE VAPORIZER, BURNERS 99550-5, 9R10000.....	1	1-3
		SR00043	NUT, 6 x 32 INCH HEX.....	2	..
		SR00040	SCREW, 6-32 x 1/4 INCH, R.H.M.....	2	..
		SR00038	SCREW, 10-24 x 3/8 INCH OVEN HEAD.....	2	14
		SR00039	WASHER, 10 x 3/32 INCH, x 3/64 INCH, SPRING LOCK.....	2	..
		SR00041	WASHER, 6 x 1/16 INCH x 3/64 INCH LOCK.....	2	..
		SR00042	WASHER, 6 x 3/8 INCH, x 3/64 INCH.....	2	..
	9R10066		CUP, UTILITY, STOVE ONE BURNER.....	1	..
	9R10262		VAPORIZER, SPARE, BURNERS 99550-5, 9R10000, COMPLETE.....	1	..
	9R10264		VAPORIZER AND VALVE, STOVES 99550-5, COMPLETE: Assembly.....	1	..
		9R10026	BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	12-14

	9R10194	STEM, ECCENTRIC, STOVES 99550-5, COMPLETE: Assembly.....	1	12-14
	9R10226	TUBE, FUEL AND AIR, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.....	1	11-14
	9R10242	VALVE, FUEL CONTROL, STOVE ONE BURNER, COM- plete: Assembly.....	1	..
	9R10256	VAPORIZER, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	1	2-14
99555		STOVE, TWO BURNER, GASOLINE.....		..
	9R10044	GAP, PLUG, STOVE TWO BURNER.....	1	..
		GASKET, PLUG, STOVE TWO BURNER.....	1	..
	9R10086	TANK, FUEL, STOVE TWO BURNER.....	1	2
		PLUNGER, AIR PUMP, STOVE TWO BURNER, COMPLETE.....	1	..
	9R10046	GAP, PLUNGER, BURNERS 99555, 9R10001-2-3.....	1	9
	9R10132	NUT, PLUNGER, BURNERS 99550-5, 9R10000.....	2	..
	9R10164	PLUNGER LEATHER, BURNERS 99550-5, 9R10000-1-2-3.....	1	9-14-15
	9R10174	ROD AND HANDLE, PLUNGER, STOVE TWO BURNER.....	1	..
	9R10190	SPRING, PLUNGER, BURNERS 99550-5, 9R10000.....	1	..
	SR00037	WASHER, $1\frac{1}{4}$ INCH x $\frac{3}{4}$ INCH x .040 INCH.....	1	..
		AIR STEM, STOVE TWO BURNER.....	1	..
		VALVE, CHECK, BURNERS 99555, 9R10001-2-3: Assembly.....	1	..
	9R10022	BODY, VALVE, BURNERS 99555, 9R10001-2-3.....	1	..
	9R10250	VALVE PLUNGER, BURNERS 99555, 9R10001-2-3.....	1	..
		TUBE, FUEL AND AIR, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.....	2	11-14
	9R10172	ROD, FUEL CONTROL, BURNERS 99550-5, 9R10000.....	2	10
	9R10192	SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4.....	2	10

Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
	9R10248	9R10036	VALVE, FUEL CONTROL, STOVE TWO BURNER, COMPLETE: Assembly.....	2	..
		9R10058	BUSHING, STEM, VALVE, BURNERS 99550-5, 9R10000.....	2	..
		9R10102	COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	2	..
		9R10128	HOUSING VALVE, BURNERS 99550-5, 9R10000.....	2	12-14
		9R10138	NUT, PACK, BURNERS 99550-5, 9R10000.....	2	14
	9R10206		PACKING, STEM, BURNERS 99550-5, 9R10000.....	2	..
		9R10266	STEM, VALVE, STOVE TWO BURNER, COMPLETE: Assembly.....	2	10
		9R10270	WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	2	..
	9R10194		WHEEL, STEM, STOVE TWO BURNER.....	2	2
			STEM, ECCENTRIC, STOVES 99550-5, COMPLETE: Assembly.....	2	12-14
		9R10032	BUSHING, STEM, ECCENTRIC, BURNERS 99550-5, 9R10000.....	2	..
		9R10106	LEVER, STEM, STOVES 99550-5.....	2	..
		9R10126	NUT, PACK, BURNERS 99550-5, 9R10000.....	2	12
		9R10142	PACKING, STEM, BURNERS 99550-5, 9R10000.....	2	..
	9R10026		BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.....	2	12-14
		9R10110	NEEDLE ROD, VAPORIZER, BURNERS 99550-5, 9R10000.....	2	12-14
		9R10118	NUT, JAMB, STOVE TWO BURNER.....	2	12
		9R10134	NUT, ROD LOCK, BURNERS 99550-5, 9R10000.....	2	14





Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
	9R10156	SR00035	SCREW, 8-32 x $\frac{5}{16}$ INCH, R.H.M.	1	14
			PLUNGER, AIR PUMP, BURNERS 99550, 9R10000, COMPLETE: Assembly.		
		9R10048	CAP, PLUNGER, BURNERS 99550, 9R10000.	1	14
		9R10132	NUT, PLUNGER, BURNERS 99550-5, 9R10000.	2	14
		9R10164	PLUNGER LEATHER, BURNERS 99550-5, 9R10000-1-2-3	1	9-14-15
		9R10176	ROD AND HANDLE, PLUNGER, BURNERS 99550, 9R10000	1	14
		SR00036	SCREW, 4-36 x $\frac{1}{4}$ INCH, R.H.M.	2	14
		9R10190	SPRING, PLUNGER, BURNERS 99550-5, 9R10000.	1	14
		9R10265	WASHER, $\frac{17}{64}$ INCH x $\frac{3}{4}$ INCH x .040 INCH.	1	14
	9R10014 9R10240		AIR STEM, BURNERS 99550, 9R10000.	1	14
			VALVE, CHECK, BURNERS 99550, 9R10000, COMPLETE: Assembly.	1	14
		9R10024	BODY, VALVE, BURNERS 99550, 9R10000.	1	14
		9R10252	VALVE PLUNGER, BURNERS 99550, 9R10000.	1	14
	9R10226		TUBE, FUEL AND AIR, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.	1	11-14
		9R10172	ROD, FUEL CONTROL, BURNERS 99550-5, 9R10000.	1	10
		9R10192	SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4.	1	10
	9R10246		VALVE, FUEL CONTROL, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Assembly.	1	10
		9R10036	BUSHING, STEM, VALVE, BURNERS 99550-5, 9R10000.	1	10



	9R10058	COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	12-14
	9R10102	HOUSING, VALVE, BURNERS 99550-5, 9R10000.....	1	14
	9R10128	NUT, PACK, BURNERS 99550-5, 9R10000.....	1	14
	9R10138	PACKING, STEM, BURNERS 99550-5, 9R10000.....	1	14
	SR00036	SCREW, 4-36 x 1/4 INCH, R.H.M.....	1	10
	9R10204	STEM, VALVE, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE.....	1	14-15
	9R10266	WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	12
	9R10268	WHEEL, STEM, BURNERS 99550, 9R10000-1-2-3-4.....	1	12
9R10198		STEM, ECCENTRIC, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Assembly.....	1	12-14
	9R10032	BUSHING, STEM, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	14
	9R10108	LEVER, STEM, BURNER ONE 5,000 B.T.U. HEAD.....	1	12-14
	9R10126	NUT, PACK, BURNERS 99550-5, 9R10000.....	1	14
	9R10142	PACKING, STEM, BURNERS 99550-5, 9R10000.....	1	12
9R10026		BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	12-14
9R10096		HEAD, BURNERS 99550-5, 9R10000, COMPLETE.....	1	14
9R10256		VAPORIZER, BURNERS 99550, 9R10000, COMPLETE: Assembly.....	1	12-14
	9R10110	NEEDLE ROD, VAPORIZER, BURNERS 99550-5, 9R10000.....	1	12
	9R10116	NUT, JAMB, BURNERS 99550, 9R10000.....	1	14
	9R10134	NUT, ROD LOCK, BURNERS 99550-5, 9R10000.....	1	12-14
	9R10182	SCREEN, FILLER, BURNERS 99550-5, 9R10000.....	1	12
	9R10224	TIP, GAS, BURNERS 99550-5, 9R10000.....	1	12-14
	9R10236	TUBE, VAPORIZER, BURNERS 99550-5, 9R10000.....	1	3
9R10146		PLATE, BURNER ONE 5,000 B.T.U. HEAD.....	1	



Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
9R10001		9R10098	HOLDER, SPARE VAPORIZER, BURNERS 99550-5, 9R10000.....	1	1-3
		SR00038	SCREW, 10-24 x $\frac{3}{8}$ INCH OVEN HEAD.....	2	14
		SR00039	WASHER, 10 x $\frac{3}{32}$ INCH x $\frac{3}{64}$ INCH SPRING LOCK.....	2	..
		9R10262	VAPORIZER, SPARE, BURNERS 99550-5, 9R10000, COMPLETE.....	1	14
		9R10260	VAPORIZER AND VALVE, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE.....	1	12-14
		9R10026	BLOCK, ECCENTRIC, BURNERS 99550-5, 9R10000.....	1	12
		9R10198	STEM, ECCENTRIC, BURNER ONE 5,000 B.T.U. HEAD, COMPLETE: Assembly.....	1	11-14
		9R10226	TUBE, FUEL AND AIR, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.....	1	..
		9R10246	VALVE, FUEL CONTROL, BURNER, ONE 5,000 B.T.U. HEAD.....	1	..
		9R10256	VAPORIZER, BURNERS 99550-5, 9R10000, COMPLETE: Assembly.....	1	4-9-15
		9R10208	BURNER, ONE 10,000 B.T.U. HEAD, GASOLINE.....	1	9-15
		9R10148	TANK, FUEL, BURNER ONE 10,000 B.T.U. HEAD.....	1	15
			PLUG, FILLER TUBE, BURNER ONE 10,000 B.T.U. HEAD: Assembly.....	1	9
		9R10042	GAP, PLUG, BURNER ONE 10,000 B.T.U. HEAD.....	1	9

9R10158	9R10072	DISC, PLUG, BURNER ONE 10,000 B.T.U. HEAD.....	1	9
	9R10084	GASKET, PLUG, BURNER ONE 10,000 B.T.U. HEAD.....	1	9-15
		PLUNGER, AIR PUMP, BURNER ONE 10,000 B.T.U. HEAD, COMPLETE: Assembly.....	1	9-15
	9R10046	CAP, PLUNGER, BURNERS 99555, 9R10001-2-3.....	1	9
	9R10090	HANDLE, PLUNGER, BURNERS 9R10001-2-3.....	1	9
	9R10114	NUT, HANDLE, BURNERS 9R10001-2-3.....	1	..
	9R10130	NUT, PLUNGER, BURNERS 9R10001-2-3.....	1	9
	9R10144	PIN, HANDLE, BURNERS 9R10001-2-3.....	1	..
	9R10164	PLUNGER LEATHER, BURNERS 99550-5, 9R10000-1-2-3	1	9-14-15
	9R10178	ROD, PLUNGER, BURNER ONE 10,000 B.T.U. HEAD.....	1	..
	9R10188	SPRING, PLUNGER, BURNERS 9R10001-2-3.....	1	9
	9R10012	AIR STEM, BURNER ONE 10,000 B.T.U. HEAD.....	1	9-15
	9R10238	VALVE, CHECK, BURNERS 99555, 9R10001-2-3: Assembly	1	9-15
		BODY, VALVE, BURNERS 99555, 9R10001-2-3.....	1	..
	9R10022	VALVE PLUNGER, BURNERS 99555, 9R10001-2-3.....	1	..
9R10228	9R10250	TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	1	9-11-15
	9R10064	COUPLING, TUBE, BURNERS 9R10001-2-3-4.....	1	9
	9R10170	ROD, FUEL CONTROL, BURNERS 9R10001-2-3-4.....	1	9-10
	9R10192	SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	10
	9R10220	TIP, FUEL, BURNERS 9R10001-2-3-4.....	1	..
	9R10230	TUBE, INNER, BURNERS 9R10001-2-3-4.....	1	11
	9R10232	TUBE, OUTER, BURNERS 9R10001-2-3-4.....	1	11
		VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	..
	9R10034	BUSHING, STEM, VALVE, BURNERS 9R10001-2-3-4.....	1	9
	9R10058	COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	..
9R10244				

Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
		9R10100	HOUSING, VALVE, BURNERS 9R10001-2-3-4.....	1	9-12-15
		9R10124	NUT, PACK, BURNERS 9R10001-2-3-4.....	1	9-15
		9R10136	PACKING, STEM, BURNERS 9R10001-2-3-4.....	1	9
		SR00046	SCREW, 4-36 x $\frac{5}{16}$ INCH, R.H.M.....	1	..
		9R10200	STEM, VALVE, BURNERS 9R10001-2-3-4, COMPLETE.....	1	9-10-15
		9R10266	WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	1	..
		9R10268	WHEEL, STEM, BURNERS 99550, 9R10000-1-2-3-4.....	1	14-15
	9R10196		STEM, ECCENTRIC, BURNERS 9R1001-2-3-4, COMPLETE: Assembly.....	1	9-12-15
		9R10062	COUPLING, STEM, BURNERS 9R10001-2-3-4.....	1	9-12
		9R10092	HANDLE, STEM, BURNERS 9R10001-2-3-4.....	1	9-12
		9R10104	LEVER, STEM, BURNERS 9R10001-2-3-4.....	1	12
		9R10122	NUT, PACK, BURNERS 9R10001-2-3-4.....	1	9
		9R10140	PACKING, STEM, BURNERS 9R10001-2-3-4.....	1	..
		SR00047	SCREW, 4-36 x $\frac{3}{8}$ INCH, R.H.M.....	1	..
	9R10028 9R10254		BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	1	9-12-15
			VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	12
		9R10056	COIL, FILLER, BURNERS 9R10001-2-3-4.....	1	12-15
		9R10112	NEEDLE ROD, VAPORIZER, BURNERS 9R10001-2-3-4.....	1	9-12-15
		9R10120	NUT, JAMB, BURNERS 9R10001-2-3-4.....	1	9-15
		9R10184	SCREEN, FILLER, BURNERS 9R10001-2-3-4.....	1	9-12



9R10002	9R10094 9R10020 SR00003 9R10088 9R10258	9R10222	TIP, GAS, BURNERS 9R10001-2-3-4.	1	9-12
		9R10234	TUBE, VAPORIZER, BURNERS 9R10001-2-3-4.	1	9-12-15
			HEAD, BURNERS, 9R10001-2-3-4.	1	9-13-15
			BAFFLE, WIND, BURNERS 9R10001-2-3-4.	1	9-13-15
			SCREW, 8-32 x 1/2 INCH, R.H.M.	2	
	9R10028 9R10196 9R10228 9R10244 9R10254		GAUGE, PRESSURE, BURNERS 9R10001-2-3.	1	9-15
			VAPORIZER AND VALVE, BURNERS 9R10001-2-3-4,		
			COMPLETE: Assembly.	1	
			BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.	1	9-12-15
			STEM, ECCENTRIC, BURNERS 9R10001-2-3-4.	1	9-12-15
	9R10210 9R10152		TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4,		
			COMPLETE: Assembly.	1	9-11-15
			VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4.	1	
			VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE:		
			Assembly.	1	12
	9R10040 9R10070 9R10082 SR00044		BURNER, TWO 10,000 B.T.U. HEADS; GASOLINE.	1	5-9-15
			TANK, FUEL, BURNER, TWO 10,000 B.T.U. HEADS.	1	5
			PLUG, FILLER TUBE, BURNERS 9R10002-3: Assembly.	1	5-6
			CAP, PLUG, BURNERS 9R10002-3.	1	
			DISC, PLUG, BURNERS 9R10002-3.	1	
	9R10160		GASKET, PLUG, BURNERS 9R10002-3-4.	1	
			SCREW, 10-32 x 7/16 INCH, R.H.M.	1	
			PLUNGER, AIR PUMP, BURNERS 9R10002-3, COM-		
			plete: Assembly.	1	
			CAP, PLUNGER, BURNERS 9R10001-2-3.	1	9
			HANDLE, PLUNGER, BURNERS 9R10001-2-3.	1	9
			NUT, HANDLE, BURNERS 9R10001-2-3.	1	
			NUT, PLUNGER, BURNERS 9R10001-2-3.	1	9

Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
		9R10144	PIN, HANDLE, BURNERS 9R10001-2-3	1	9-14-15
		9R10164	PLUNGER LEATHER, BURNERS 99550-5, 9R10000-1-2-3	1	..
		9R10180	ROD, PLUNGER, BURNERS 9R10002-3	1	9
		9R10188	SPRING, PLUNGER, BURNERS 9R10001-2-3	1	..
	9R10010		AIR STEM, BURNERS 9R10002-3	1	9-15
	9R10238		VALVE, CHECK, BURNERS 99555, 9R10001-2-3: Assembly	1	..
		9R10022	BODY, VALVE, BURNERS 99555, 9R10001-2-3	1	..
		9R10250	VALVE PLUNGER, BURNERS 99555, 9R10001-2-3	1	..
	9R10228		TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COMPLETE: Assembly	2	9-11-15
		9R10064	COUPLING, TUBE, BURNERS 9R10001-2-3-4	2	9
		9R10170	ROD, FUEL CONTROL, BURNERS 9R10001-2-3-4	2	9-10
		9R10192	SPRING, ROD, BURNERS, 99550-5, 9R10000-1-2-3-4	2	10
		9R10220	TIP, FUEL, BURNERS 9R10001-2-3-4	2	..
		9R10230	TUBE, INNER, BURNERS 9R10001-2-3-4	2	11
		9R10232	TUBE, OUTER, BURNERS 9R10001-2-3-4	2	11
	9R10244		VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly	2	..
		9R10034	BUSHING, STEM, VALVE, BURNERS 9R10001-2-3-4	2	9
		9R10058	COLLAR, STEM, VALVE, BURNERS 99550-5, 9R10000-1-2-3-4	2	..
		9R10100	HOUSING, VALVE, BURNERS 9R10001-2-3-4	2	9-12-15



9R10124	NUT, PACK, BURNERS 9R10001-2-3-4.....	2	9-15
9R10136	PACKING, STEM, BURNERS 9R10001-2-3-4.....	2	9
SR00046	SCREW, 4-36 x $\frac{5}{16}$ INCH, R.H.M.....	2	9-10-15
9R10200	STEM, VALVE, BURNERS 9R10001-2-3-4, COMPLETE.....	2	14-15
9R10266	WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	2	9-12-15
9R10268	WHEEL, STEM, BURNERS 99550, 9R10000-1-2-3-4.....	2	9-12
	STEM, ECCENTRIC, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	2	9
9R10062	COUPLING, STEM, BURNERS 9R10001-2-3-4.....	2	15
9R10092	HANDLE, STEM, BURNERS 9R10001-2-3-4.....	2	12-15
9R10104	LEVER, STEM, BURNERS 9R10001-2-3-4.....	2	9-12
9R10122	NUT, PACK, BURNERS 9R10001-2-3-4.....	2	12
9R10140	PACKING, STEM, BURNERS 9R10001-2-3-4.....	2	9
SR00047	SCREW, 4-36 x $\frac{3}{8}$ INCH, R.H.M.....	2	15
9R10028	BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	2	9-12-15
9R10254	VAPORIZER, BURNERS, 9R10001-2-3-4, COMPLETE: Assembly.....	2	12
9R10056	COIL, FILLER, BURNERS 9R10001-2-3-4.....	2	12-15
9R10112	NEEDLE ROD, VAPORIZER, BURNERS 9R10001-2-3-4.....	2	9-12-15
9R10120	NUT, JAMB, BURNERS 9R10001-2-3-4.....	2	9-15
9R10184	SCREEN, FILLER, BURNERS 9R10001-2-3-4.....	2	9-12
9R10222	TIP, GAS, BURNERS 9R10001-2-3-4.....	2	9-12
9R10234	TUBE, VAPORIZER, BURNERS 9R10001-2-3-4.....	2	9-12-15
9R10094	HEAD, BURNERS 9R10001-2-3-4.....	2	9-13-15
9R10020	BAFFLE, WIND, BURNERS 9R10001-2-3-4.....	2	9-13-15
SR00003	SCREW, 8-32 x $\frac{1}{2}$ INCH, R.H.M.....	4	9-15
9R10088	GAUGE, PRESSURE, BURNERS 9R10001-2-3.....	1	



Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
9R10003	9R10258	9R10028 9R10196 9R10228	VAPORIZER AND VALVE, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	9-12-15
			BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	1	9-12-15
			STEM, ECCENTRIC, BURNERS 9R10001-2-3-4.....	1	9-12-15
			TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	9-11-15
		9R10244	VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	..
		9R10254	VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	12
			BURNER, THREE 10,000 B.T.U. HEADS, GASOLINE TANK, FUEL, BURNER THREE 10,000 B.T.U. HEADS.....	1	6-9-15
	9R10218 9R10152		PLUG, FILLER TUBE, BURNERS 9R10002-3: Assembly.....	1	6
		9R10040	GAP, PLUG, BURNERS 9R10002-3.....	1	5-6
		9R10070	DISC, PLUG, BURNERS 9R10002-3.....	1	..
		9R10082	GASKET, PLUG, BURNERS 9R10002-3-4.....	1	..
		SR00044	SCREW, 10-32 x $\frac{7}{16}$ INCH, R.H.M.....	1	..
	9R10160		PLUNGER, AIR PUMP, BURNERS 9R10002-3, COMPLETE: Assembly.....	1	..
		9R10046 9R10090 9R10114	CAP, PLUNGER, BURNERS 99555, 9R10001-2-3..... HANDLE, PLUNGER, BURNERS 9R10001-2-3..... NUT, HANDLE, BURNERS 9R10001-2-3.....	1 1 1	9 9 ..

	9R10130	NUT, PLUNGER, BURNERS 9R10001-2-3.....	1	9
	9R10144	PIN, HANDLE, BURNERS 9R10001-2-3.....	1	..
	9R10164	PLUNGER LEATHER, BURNERS 99550-5, 9R10001-2-3.....	1	9-14-15
	9R10180	ROD, PLUNGER, BURNERS 9R10002-3.....	1	..
	9R10188	SPRING, PLUNGER, BURNERS 9R10001-2-3.....	1	9
9R10010		AIR STEM, BURNERS 9R10002-3.....	1	..
9R10238		VALVE, CHECK, BURNERS 99555, 9R10001-2-3: Assembly	1	9-15
	9R10022	BODY, VALVE, BURNERS 99555, 9R10001-2-3.....	1	..
	9R10250	VALVE PLUNGER, BURNERS 99555, 9R10001-2-3.....	1	..
9R10228		TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	3	9-11-15
	9R10064	COUPLING, TUBE, BURNERS 9R10001-2-3-4.....	3	9
	9R10170	ROD, FUEL CONTROL, BURNERS 9R10001-2-3-4.....	3	9-10
	9R10192	SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4.....	3	10
	9R10220	TIP, FUEL, BURNERS 9R10001-2-3-4.....	3	..
	9R10230	TUBE, INNER, BURNERS 9R10001-2-3-4.....	3	11
	9R10232	TUBE, OUTER, BURNERS 9R10001-2-3-4.....	3	11
9R10244		VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	3	..
	9R10034	BUSHING, STEM, VALVE, BURNERS 9R10001-2-3-4.....	3	9
	9R10058	COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	3	..
	9R10100	HOUSING, VALVE, BURNERS 9R10001-2-3-4.....	3	9-12-15
	9R10124	NUT, PACK, BURNERS 9R10001-2-3-4.....	3	9-15
	9R10136	PACKING, STEM, BURNERS 9R10001-2-3-4.....	3	9
	SR00046	SCREW, 4-36 x $\frac{5}{16}$ INCH R.H.M.....	3	..
	9R10200	STEM, VALVE, BURNERS 9R10001-2-3-4, COMPLETE.....	3	9-10-15
	9R10266	WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4.....	3	..
	9R10268	WHEEL, STEM, BURNERS 99550, 9R10000-1-2-3-4.....	3	14-15

Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
	9R10196	9R10062	STEM, ECCENTRIC, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	3	9-12-15
		9R10092	COUPLING, STEM, BURNERS 9R10001-2-3-4.....	3	9-12
		9R10104	HANDLE, STEM, BURNERS 9R10001-2-3-4.....	3	9-12
		9R10122	LEVER, STEM, BURNERS 9R10001-2-3-4.....	3	12
		9R10140	NUT, PACK, BURNERS 9R10001-2-3-4.....	3	9
		SR00047	PACKING, STEM, BURNERS 9R10001-2-3-4.....	3	..
	9R10028		SCREW, 4-36 x $\frac{3}{8}$ INCH, R.H.M.....	3	15
	9R10254		BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	3	9-12-15
			VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	3	12
		9R10056	COIL, FILLER, BURNERS 9R10001-2-3-4.....	3	12-15
		9R10112	NEEDLE ROD, VAPORIZER, BURNERS 9R10001-2-3-4.....	3	9-12-15
		9R10120	NUT, JAMB, BURNERS 9R10001-2-3-4.....	3	9-15
		9R10184	SCREEN, FILLER, BURNERS 9R10001-2-3-4.....	3	9-12
		9R10222	TIP, GAS, BURNERS 9R10001-2-3-4.....	3	9-12
		9R10234	TUBE, VAPORIZER, BURNERS 9R10001-2-3-4.....	3	9-12-15
	9R10094		HEAD, BURNERS 9R10001-2-3-4.....	3	9-13-15
	9R10020		BAFFLE, WIND, BURNERS 9R10001-2-3-4.....	3	9-13-15
	SR00003		SCREW, 8-32 x $\frac{1}{2}$ INCH, R.H.M.....	6	..
	9R10088		GAUGE, PRESSURE, BURNERS 9R10001-2-3.....	1	9-15



9R10004	9R10258	9R10028 9R10196	VAPORIZER AND VALVE, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	9-12-15
		9R10228	BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	1	9-12-15
		9R10244	STEM, ECCENTRIC BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	1	9-11-15
		9R10254	TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	1	9-11-15
			VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	..
			VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	1	12
	9R10212	9R10074	BURNER, FOUR 10,000 B.T.U. HEADS, GASOLINE. TANK, FUEL, BURNER FOUR 10,000 B.T.U. HEADS.....	1	7-9-15
	9R10154		DRAIN PLUG, BURNER FOUR 10,000 B.T.U. HEADS.....	1	7
		9R10018 9R10060	PLUG, FILLER TUBE, BURNER FOUR 10,000 B.T.U. HEADS: Assembly.....	1	..
		9R10082 9R10166	AIR STEM, BURNER FOUR 10,000 B.T.U. HEADS..... CORE AND GASKET, BURNER FOUR 10,000 B.T.U. HEADS.....	1	..
9R10228			GASKET, PLUG, BURNERS 9R10002-3-4.....	1	..
			PUMP, AIR, BURNER FOUR 10,000 B.T.U. HEADS.....	1	7
			PLUNGER LEATHER, BURNER FOUR 10,000 B.T.U. HEADS.....	1	..
			TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	4	9-11-15
		9R10064 9R10170 9R10192	COUPLING, TUBE, BURNERS 9R10001-2-3-4..... ROD, FUEL CONTROL, BURNERS 9R10001-2-3-4..... SPRING, ROD, BURNERS 99550-5, 9R10000-1-2-3-4.....	4 4 4 4	9 9-10 10

Medical Department number			Nomenclature and description	Quantity	Figure No.
Stove or burner	Assembly or component part	Component part in assembly			
	9R10244	9R10220 9R10230 9R10232	TIP, FUEL, BURNERS 9R10001-2-3-4..... TUBE, INNER, BURNERS 9R10001-2-3-4..... TUBE, OUTER, BURNERS 9R10001-2-3-4..... VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	4 4 4	.. 11 11
		9R10034 9R10058 9R10100 9R10124 9R10136 SR00046 9R10200 9R10266 9R10268	BUSHING, STEM, VALVE, BURNERS 9R10001-2-3-4..... COLLAR, STEM, BURNERS 99550-5, 9R10000-1-2-3-4..... HOUSING, VALVE, BURNERS 9R10001-2-3-4..... NUT, PACK, BURNERS 9R10001-2-3-4..... PACKING, STEM, BURNERS 9R10001-2-3-4..... SCREW, 4-36 x $\frac{5}{16}$ INCH, R.H.M..... STEM, VALVE, BURNERS 9R10001-2-3-4, COMPLETE..... WASHER, STEM, BURNERS 99550-5, 9R10000-1-2-3-4..... WHEEL, STEM, BURNERS 99550, 9R10000-1-2-3-4..... STEM, ECCENTRIC, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	4 4 4 4 4 4 4 4 4 4 4	.. 9 .. 9-12-15 9-15 9 .. 9-10-15 .. 14-15
	9R10196	9R10062 9R10092 9R10104 9R10122 9R10140 SR00047	COUPLING, STEM, BURNERS 9R10001-2-3-4..... HANDLE, STEM, BURNERS 9R10001-2-3-4..... LEVER, STEM, BURNERS 9R10001-2-3-4..... NUT, PACK, BURNERS 9R10001-2-3-4..... PACKING, STEM, BURNERS 9R10001-2-3-4..... SCREW, 4-36 x $\frac{3}{8}$ INCH, R.H.M.....	4 4 4 4 4 4	9-12-15 9-12 9-12 12 9 .. 15

9R10028		BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	4	9-12-15
9R10254		VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	4	12
	9R10056	COIL, FILLER, BURNERS 9R10001-2-3-4.....	4	12-15
	9R10112	NEEDLE ROD, VAPORIZER, BURNERS 9R10001-2-3-4.....	4	9-12-15
	9R10120	NUT, JAMB, BURNERS 9R10001-2-3-4.....	4	9-15
	9R10184	SCREEN, FILLER, BURNERS 9R10001-2-3-4.....	4	9-12
	9R10222	TIP, GAS, BURNERS 9R10001-2-3-4.....	4	9-12
	9R10234	TUBE, VAPORIZER, BURNERS 9R10001-2-3-4.....	4	9-12-15
9R10094		HEAD, BURNERS 9R10001-2-3-4.....	4	9-13-15
9R10020		BAFFLE, WIND, BURNERS 9R10001-2-3-4.....	4	9-13-15
SR00003		SCREW, 8-32 x 1/2 INCH, R.H.M.....	4	..
9R10258		VAPORIZER AND VALVE, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	4	..
	9R10028	BLOCK, ECCENTRIC, BURNERS 9R10001-2-3-4.....	4	9-12-15
	9R10196	STEM, ECCENTRIC, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	4	9-12-15
	9R10228	TUBE, FUEL AND AIR, BURNERS 9R10001-2-3-4, COM- PLETE: Assembly.....	4	9-11-15
	9R10244	VALVE, FUEL CONTROL, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	4	..
	9R10254	VAPORIZER, BURNERS 9R10001-2-3-4, COMPLETE: Assembly.....	4	12

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